<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 48
ggcacgagcc agaacaaaaa gtacaatagc tgttgctcaa ttgctagtca aataacttag 60
cactggggaa ttccmgatgt tacttaggga attttatact ggtgcatctc aataaagaac 120
tgaaagtaag cacaagaaga aaaaaagcct tatctttgct ctagattttg caaaggggaa 180
atttcaacag aacgcaatca ttgctacacg tctgccaaga cacaaggctt gggcgatctt 240
tttttgttca tttgttttgg atacttagct agtttttcct aaatgtatac cattggaggg 300
ggatanctgg gcctttngg 319

<210> 49
<211> 278
<212> DNA
<213> Homo sapiens

<400> 49
gacggatgaa gagatcgcgg cggtggagcc gttacaaagc gttgaacgcc ggacgtacca 60
gtaagcgtat tcataaaggc ctggtggtgc gtaaaggctg gctgggtaaa ctgccttcat 120
taccgcttcg ctggcgggcg cgtggagtga tgaccctrat gtttatcttg ctggcggcca 180
tgctttggtt tgttgctgcc ccggtggtga cgtatatcct ctgtgcgtta gtggtattgt 240
tggcagcgcc tgttttgaat ggcagattgt acgcccgt 278

<210> 50
<211> 652
<212> DNA
<213> Homo sapiens

<400> 50
ctttctcacc actctcctgc tagccatctc tttggcacta aggccctggt caaattggat 60
ttctttcatt tttccacact tcaaagaccc atgttctagg tattctccat agggatagtc 120
tctttggcat ttatttggtt tttctacgtt ttcagtccca tttactccaa gactcactcc 180
ctgccaccta gtgcatcaga tacagctact tctggctgac ttttcaaggg ggaccaccct 240
acctgtcatc tcttcactgt tcagaaatga ctgtgtcagt ggcacctcaa actcctttgc 300
tgtcctttte caaggagaca gctaaggtgg atggagatgc agaatggacc tcacgttcgc 360
cctagtcagg actgataccc tttccgtttc agaggattgc caagaaaaaa ctcacagttg 420
aggcagggtg ctctgaggtc ggctgcggtg tgggaggcac gsctgggcmt gctctctgag 480
ctggagcagg tggattcgaa ggcctgtcta gcacgagggc ccaaaggtct tgtcagtggc 540
cagtagctct gccgcctttc ccagagaggg ggtccagggg acatcctgga aggctgggcc 600
ctgggccacc ttctgctctt gcaagctaga gccagcccaa taggggggcgg at 652

<210> 51
<211> 943
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (843)
<223> n equals a,t,g, or c

<400> 51
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agcccatctt caccacccga gcgcatgtct tccagattga ccccaacacc aagaagaact 120
ggatgcctgc gagcaagcan gcggtcaccg tttcctactt ctatgatgtc acaaggaaca 180
gctatcggat catcagtgtg gacggagcca aggtgatcat aaacagcaca atcacaccga 240
atatgacctt caccaaaacg tcacagaagt ttgggcagtg ggccgacagc agagccaaca 300
cagtgtttgg tttggggttt tcctctgagc agcagctgac aaagtttgca gagaaattcc 360
aggaggtgaa agaagctgcc aagatagcca aagacaagac gcaggagaaa atcgagacct 420
caagtaatca ttcccaagca tccagtgtca acgrgacgga cgatgaaaag gcctctcacg 480
ccggtccagc caacacacac ctgaagtctg agaatgacaa gctgaagatt gccttgacgc 540
agagcgcacc aacgtgaaga agtgggagat cgagctgcag acccttcggg agagcaatgc 600
acggctgacc acagcactgc aggagtcggc agccagtgtg gagcagtgga agaggcagtt 660
ctccatctgc cgtgatgaga atgaccggct ccgcaacaag attgatgagc tgggaagaac 720
aatgcagtga gatcaacaga gagaaggaga agaacacgca gctgraagag gaggatcgag 780
gagctnggag gcagagctcc gagaaaagga gacagagctg gaaagatctt ccggaaaaca 840
aantggaatc mtacytscag ctcctgttca gattgcggat tttgtctctt gagaagctag 900
aggcgggcag agagagacat tcaaaacttg gaagacaaat gcg 943

<210> 52
<211> 832
<212> DNA
<213> Homo sapiens

<400> 52
gcgtcgacat agaattgaag ttgctcgtca gctgattgaa gataaggaga ttggcctgga 60
ttatccaggt aggctcaatg taatcaggaa gggcctttaa agtgagagag ggasgsagaa 120
gaggaagtca gagcgatgtg ctgtgaaatc tactaccgtt tgctggtttt gaaaatggag 180
aaaaagagtg aggaactgag aaacatggat ggccttggga acgtggaaaa gggtcactga 240
aatgggacga catgaactca aggaggctat ttatgaccat gtcatttgca acatgaagaa 300
agcttatctg gagtgaaagt aaatgagacc aacagagatr agagacccgg agaaatcctg 360

gttacactgc ttgaatcctg tcagtcctat actggagtcc tgttaataca aaataatagt 420
aataatccct ctgtttctta tgtttatgcc aacttcaaca aaaagaaact tgactaagag 480
acaatataag aayttaatgt gtaattaaga aagaactctc caccacgggg aatgtgaaag 540
gtatatgagt ccctttttcac gatgcgatgt catgtctttt aaataagcca tactttatgt 600
tcaataaaaa gagaataagc aggattcgcm agagaacaca atccctttttt aactgctggg 660
aagatacytt tagtcattaa tgrctggacg acaatttggg rcacmtatat ggatattggc 720
cggtttgtga tgatgtgatt gggcctctaa gtgacaacat tgttccctgt atagagtgag 780
tggcaagtgc atttataaaa ttggccatca tggctgttaa atttaaaaaa aa 832

<210> 53
<211> 1554
<212> DNA
<213> Homo sapiens

<400> 53
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cctacggacg gawaaggagg agcattgcag gccgagacgc cctcatcagc agagtcacag 120
gagttttggg aagtgaagag aaaagaaaag ttgattacaa acgggaccat attttgcttc 180
gaaatggaac cagcagttag cgagccaatg agagaccaag tcgcacggac tcatttgaca 240
gaggacactc ccaaagtgaa tgctgacata gaaaaggtta accmgaatca ggccmagaga 300
tgcacagtga tcggtggctc tggattcctg gggcagcaca tggtggagca gttgctggca 360
agaggatatg ctgtcaatgt atttgatatc cagcaagggt ttgataatcc ccaggtgcgg 420
ttctttctgg gtgacctctg cagccgacag gatctgtacc cagctctgaa aggtgtaaac 480
acagttttcc actgtgcgtc accccacca tccagtaaca acaaggagct cttttataga 540
gtgaattaca ttggcaccaa gaatgtcatt gaaacttgca aagaggctgg ggttcagaaa 600
ctcattttaa ccagcagtgc cagtgtcatc tttgagggcg tcgatatcaa gaatggaact 660
gaagaccttc cctatgccat gaaacccatt gactactaca cagagactaa gatcttacag 720
gagaggggcag ttctgggcgc caacgatcct gagaagaatt tcttaaccac agccatccgc 780
cctcatggca ttttcggccc aagggacccg cagttggtac ccatcctcat cgaggcagcc 840
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atcctttgaa tgagtttgct ctgagcctgt gactccttct gctaggcaga gagcgcaccc 1440
tactctttcc gtgacgatga gggcggcaaa aacagacatt tcttccttca tggaactgga 1500
tttggatttc ttgaagcagg cagcttcata ttataccgat ttgttctctg tcaa 1554

<210> 54
<211> 281
<212> DNA
<213> Homo sapiens

<400> 54
agctatttac aggttttaag caaatgatta tgtctgtgtt ttaaaggtat tatattctag 60
atgcttcatg gaattacgtc atttatactt tataaatcta taatgtgtam tgaattaaaa 120
acaagcttgg gaaacataaa ctcaagttag aaaatatggg tttgacataa aaccttaaat 180

atgtttcatt tgtttgcttg tttggcttgt ttgtttctaa cacaagttta acctacatgt 240
gagtcacctt tgggattgat gagtctagrg tttgaaacca g 281

<210> 55
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (770)
<223> n equals a,t,g, or c

<400> 55
gcgtcgaccg gagagctgtg tcaccatgtg ggtcggttgt cttcctcacc ctgtccgtga 60
cgtggattgg tgagaggggc catggttggg gggatgcagg agagggagcc agccctgact 120
gtcaagctga ggctctttyc cccccaaccc agcaccccag cccagacagg gagctgggct 180
cttttctgtc tctcccagcc ccactccaag cccatrcccc cagcccctcc atattgcaac 240
agtcctcact cccacaccag gtcccgctc cctcccactt acsccagarc tttctcccca 300
ttgcccagcc aactccctgc tcccagctgc tttactaaag gggaagttcc tgggcatctc 360
cgtgtttctc tttgtggggc tcaaaacctc caaggacctc tctcaatgcc attggttcct 420
tggaccgtat cactggtcca cctcctgagc ccctcaatcc tatcacagtc tactgacttt 480
tcccattcag ctgtgagtgt ccaaccctat cccagagacc ttgatgcttg gcctcccaat 540
cttgccctag gataccaga tgccaaccag acacctcctt cttcctagcc aggctatctg 600
gcctgagaca acaaatgggt ccctcagtct ggcaatggga ctctgagaac tcctcattcc 660
ytgactctta gccccagact cttcattcag tggcccacat tttccttagg aaaaacatga 720
gcatccccag ccacaactgc cagctctctg attcccaaa tctgcatccn tcttcaaaac 780
ctaaaaaaaa aagaaaaaaa aagtcga 807

<210> 56
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<400> 56
gaccctctca caccaggtta cccagcaaat gaatatgctt ataggcgtgg aattgcagag 60
gctgttggtc tgccaagtat tcctgttcat ccaattggat actatgcatg cacagaagct 120
cctagwaaaa atgggtggct cagcaccacc agatagcagc tggagaggaa gtctcaaagt 180
gccctacaat gttggacctg gctttactgg aaacttttct acacaaaaag tcaagatgca 240
catccactct accaatgaag tgacaagaat ttacaatgtg ataggtactc tcagaggagc 300
agtggaacca gacagatatg tcattctggg aggtcaccgg gactcatggg tgtytggtgg 360
tattgaccct cagagtggag cagctgttgt tcatgaaatt gtgaggagct ttggaacact 420
gaaaaaggaa gggtggagac ctagaagaac aatttttgttt gcaagctggg atgcagaaga 480
atttggtctt cttggttcta ctgagtgggc agaggrgrat tcaagactcc ttcaagagcg 540
tggcntgggc tttatattaa atgctgactc atctatagga aggaaactac actctgagga 600
gttggattgt acaccgcttg atgtacagct tggtacacaa ccttaccaaa gagctg 656

<210> 57
<211> 794
<212> DNA
<213> Homo sapiens

<400> 57
gcggccgcag gcagcccacc ccgyccacgt cgccggagcc gccgcgcagc agccccaggc 60
agacccccgc gcccggcccc gcccgggaga agagcgccgg caagaggggc ccggaccgcg 120
gcagccccga gtaccggcag cggcgcgagc gcaacaacat cgccgtgcgc aagagccgcg 180
acaaggccaa gcggcgcaac caggagatgc agcagaagtt ggtggagctg tcggctgaga 240
acgagaagct gcaccagcgc gtggagcagc tcacgcggga cctggccggc ctccggcagt 300
tcttcaagca gctgcccagc ccgcccttcc tgccggccgc cgggacagca gactgccggt 360
aacgcgcggc cggggcggga gagactcagc aacgacccat acctcagacc cgacggcccg 420
gagcggagcg cgccctgccc tggcgcagcc agagccgccg ggtgcccgct gcagtttctt 480
gggacatagg agcgcaaaga agctacagcc tggacttacc accactaaac tgcgagagaa 540
gctaaacgtg tttattttcc cttaaattat ttttgtaatg gtagcttttt ctacatctta 600
ctcctgttga tgcagctaag gtacatttgt aaaaagaaaa aaaaccagac ttttcagaca 660
aacccttttgt attgtagata agaggaaaag actgagcatg ctcacttttt tatattaatt 720
tttacagtat ttgtaagaat aaagcagcat ttgaaatcgc aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaa 794

<210> 58
<211> 1155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 58
aaaaagccag aagatgaaat tgctagttca aagttgttgg attgctagtc atgtcatgag 60
gatcagaagg ttgagatttt tgtagaagct tagaccagtg tgatagtagt gattggatca 120
agacgtttgc aaaanggact aggctcatag taacttcgcc tgataaacaa cttgatgcag 180
atgtttcccc caagcccact attttcttcc ttcrattgct gaaacaaarc tccagaaggc 240
tggaacatac ctttgtcttc ttgagaaatt tttcccwgat rttattaaga tacattggsa 300
agaaaagaag agcaacacga ttctgggatc ccaggagggg gaacaccatg gaagactaac 360
gacacataca tgaaatttag ctggttaacg gtgccagaaa agtcactgga caaagaacac 420
agatgtatcg tncagacatg agnaataata aaaacggrgt tgatcaagaa attatctttc 480

ctccaataaa gacagatgtc atcacaatgg atcccaaaga caattgttca aaagatgcaa 540
atgatacact actgctgcag ctcacaaaca cctctgcata ttacatgtac ctcctcctgc 600
tcctcaagag tgtggtctat tttgccatca tcacctgctg tctgcttaga agaacggctt 660
tctgctgcaa tggagagaaa tcataacaga cggtggcaca aggaggccat cttttcctca 720
tcggttattg tccctagaag cgtctttctga ggatctagtt gggctttctt tctgggtttg 780
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agcaccaatc tctccatgtt ttccacagct cctccagcca acccaaatag cgcctgctat 960
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ctgcctggaa gcctttcatt ttacacgccc tgaagcagtc ttctttgcta gttgaattat 1080
gtggtgtgtt tttccgtaat aagcaaaata aatttaaaaa aatgaaaarw aaamaaaaaa 1140
aaaaaaaaaa aaaaa 1155

<210> 59
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<400> 59
ggcacgagtg caggggtcaa cccttataaa tgcagtcaat gtgagaaatc cttcagtggg 60
aaattacgcc ttcttgtaca ccagagaatg cacacaagag agaaaccata tgaatgcagt 120
gagtgtggaa aagccttcat taggaattct caactcattg tacatcaaag aactcattca 180
ggagagaaac cctatgggtg ncaatgaatg tgggaaaacc ttctctcaaa aatcaattct 240
cagtrcacat cagagaacac atacaggaga gaagccttgt aagtgcactg aatgtgggaa 300
agccttttgt tggaagtcac agctcattat gcatcagaga actcatgtag rtgacaaaca 360
ttgataattt tacgaaactc tgaaaagtgg attcacaaga gatagaaaca atcatatata 420
aagagaaact ctgtaatggg aatcatcttg tcentcttcc agaaaantca tantgaatag 480
aaactttatg ga 492

<210> 60
<211> 1617

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1617)
<223> n equals a,t,g, or c

<400> 60
ggaggccctg cgagaggact gtgcggccca ggcacagcgg gcacagcggg cccaacagwt 60
gctgcagctg caggtgttcc agctgcacag gagaagcggc aattgcagga cgacttcgca 120
cagctgctgc aggagcgcga acagctggag cggcgctgcg ccaccttgga gcgggacagc 180
gggagctcgg gccgaggctt gaggagacca agtgggaggt gtgccagaaa tcaggcgaga 240
tctccctgct gaagcagcag ctgaaagagt ctcaggcaga gctggtgcag aagggcagcg 300
agctggtggc tctgcgggtg gcgctgcggg aggcccgtgc tacgctgcgg gtcagtgagg 360
gccgtgcgcg gggtctacag gaggccgccc gagctcggga gctggagctg gaagcctgtt 420
cccaggagct gcagcgacac cgccaggaag ctgagcagct gcgggagaaa gctgggcagt 480
tggatgctga ggcggccgga ctccgggagc cccctgtgcc acctgccacc gctgacccat 540
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gcttgcgggc ccaggtggag cgattgcggg tggagctgca gcgggagcgg cggcgggtg 660
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tgatccgcta ccagaagcag ctgcagcaca actacatcca gatgtaccgg cgcaaccggc 780
agctagagca ggagctgcag cagctcagcc tggagctgga ggcccgggag ctcgctgacc 840
tgggcctggc cgagcagccc cctgcatctg cctggaggag atcactgcta ctgagatcta 900
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ctaggatcca ggcctctggg cttctgccaa gaactcaggg tggccctatg acttggagga 1080
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cccactccag ccaggggagc agggaagaag aaggggctcc ctcctcttca cattcccccc 1260
gaccccaaag ccagagaaag ccagatggca ccagctgctc cggatgtgcc tgcccacatt 1320
gggggacagg gccgggcctg ggctcggttc ccaggtttga gctctgcagc ctctctcctg 1380
gagtgagggg gctgaagtca gaccaaagga agaactcaga aatgtcttgt ttatttgtgt 1440
ttgtgaccaa gcagcctctc ccttcaccca ggtttatggc ctcgttttca cttgtatatt 1500
tttcacactg taaatttctt gtacaaaccc aaagaaaaaa ttaaaaaaaa ttttttttgtt 1560
taaaaaaaaa aaaaaaaaaa aaaaaaaaan cncgnggggg ggcccggtac ccaattn 1617

<210> 61
<211> 1653
<212> DNA
<213> Homo sapiens

<400> 61
aaatatgaga attttaaagt aatatattga tyaaagatca ctgatgatat agatataata 60
tatcataaca gaaggaaagt aaatggactt gagcttaact tctcaccctg gaattattag 120
tgggtgaaga ggggaatcat tagcattctg ggcgttttta tattaaatgt tttgtgaata 180
tgccagaaga tctgccttca acttgtaatt aggcaagata gtaaygcttg atggtaactt 240
ctatgttttgt gtagaaataa taccagttag ttttggaaag ccattcagat ccattcaaaa 300
attccataaa gtatgatgta tgctttggaa gagggatatg agtgatacaa ttgttatata 360
aatggaatag acaaaccatt tgaatgcatt tttctagggc aaacattttt tgagattttt 420
gagttaagaa gatttttcgg cttgagcaga agatgtgttt gttttgcatt tttcagctcc 480
aaggaaatag cccccatggc tttaaaaggc cctgaagttc agatagtagt aggtagtgtt 540
ttgttattgt tttaatttga gagttgcagg aataatgggc agagctgtca tttgccggta 600
ckaccatctg cctacataga attattggac tgtaagctaa aacagactgt aaaagaccta 660
cttgctaaag cattgcttat tcagtggtat tcagtagata agatctattt cctgatatat 720
tgtgctcaag ttatttgcac atcttaagaa acttttaata tctaaaacca ttgttgtaag 780
atttaggtag aggaggtttc cttttgtgtg atgcataata atagaaaaca ctgatacagt 840
gtttactatg tgccaagcaa gcatatgata actaattctt aacaactcta tgaggcaggg 900
tcatttatta tcctgttgtc atatgaggaa atctcgccag agagaagtta attaacctgc 960
ccaaggtcgt atagttagta aagtggtcat gcttggattt taacctaggc agattacttc 1020
agagtcagcg tctgccttac tatcctgttt cctgagcagg aatttcccct tgtgtcaggc 1080
aacactaggt gttaggagtg gaggtgtgca gatgttgcct tacattctgt tttcctgatg 1140
tggtgtgctt cctaagagta caaacctgag catatgtcca ggcttgcaaa gtctcaggca 1200
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gtgcttctca cttaacctaa tagtatgcct tgtctgtttt ccccccttcc ccttttttgtt 1320
taaattgatt cacagaacac aaaaatttac taggtatgaa catttgaaaa aatggaatag 1380
agaaaatggt acatcacatg taataaagat aaatattgtt ttgtgaaatg tcttttttcaa 1440
tcataaatat gtgttgtgtg ctatataaaa ctatttctta ttgtggatat tgaagtttga 1500
agcctgttgt tcatctatag atgcactgga tgggattgga agtcttcaga tttcagtagg 1560
gttttccaca agcttatgaa gacattgttc tgtttaggct gtaaactgtt tttatttctt 1620
gatgaaaaat gttcttctat ttatatgatc cca 1653

<210> 62
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<400> 62
gaattcggca gaggaataaa taatttatta tatggtaaag gtggcatttc aaatcaatgg 60
gaaaaggtac gtttattgac aaaggtattg aagcaacggg ttaagatttg gaaaataact 120
atctctgctc ccaaacattc accatatgag actgtagacc taataaaaat aaacataaga 180
ttatgagaat aaaatatcaa taaatatttt atactatctt gcagtgggat aggaattgtc 240
tcactcctgc tggggtgact ccccatgaac cccagggctc ttcagttcca aagrggaaaa 300
aggggaacag atggcctcct ccccttcctc actcccctgg gacccaggat tgctccctga 360
aggttttcga gccaccctcc ttcccattcc tcctgggggg ccaaggangn ttaaacagca 420
gggcccttcc ngtgttgccc 440

<210> 63
<211> 1062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (948)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (974)
<223> n equals a,t,g, or c

<400> 63
aatttcggcac gagggaacct tgaaccagcc rctgaccaaa ttggatagat cttctgaaga 60
gcctttggga gttctggtaa atcccaacat gtaccagtcc cctccccagt gggttgacca 120
cacaggtgca gcctcacaga agaaggcttt ccgttcttca ggatttggac tagagttcaa 180
ctcatttcag caccagttgc gaatccagga tcaagaattt caggaaggct ttgatggtgg 240
ctggtgcctc tctgtacatc agccctgggs ttctctgctt gtcagaggga ttaaaagggt 300
ggagggcaga tcctggtaca ccccccacag aggacgactt tggatagcag ccacagctaa 360
aaaaccctcc cctcaagaag tctcagaact ccaggctaca tatcgtcttc ttcgtgggaa 420
agatgtggaa tttcctaatg actatccgtc agttgtcttc tgggctgtgt ggacctaatt 480
gactgcttgt cccagaagca atttaaggag cagtttccag acatcagtca agaatctgat 540
tctccatttg ttttcatctg caaaaatcct caggaaatgg ttgtgaagtt tcctattaaa 600
ggaaatccaa aaatctggaa attggattcc aagatccatc aaggagcaaa gaaggggtta 660
atgaagcaga ataaagctgt ctgacccagg agaaaaggaa ctatacagca tagtggagtt 720
ttgtgtacta aaattgctat ctactggtcc tttggaattg aagtagtaga aacctaaagg 780
cttggcgtca ggcttgaata tctcagaact taaactctta ccaaaatctg tatatttttc 840
ttaaggagtg ggattcctac tttatgtaat ggggtcgaaa tctttgaaca cattatttat 900
aaaaacctgt ttaaaaggtc gacggtatcg ataagcttgg atatcgantt cggcacgagc 960
ccacctctac ctcngggggg accggcctgg acgctggtgg ccccgggacc cagcagagct 1020
gggggaaggg tcagcccccc aaagaaatgg gggtgcatgc tg 1062

<210> 64

<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 64
ggcagaggga agaggaaggg aggggagggg agccccttct tcctggtaga tacaaagctg 60
ggctctggat acccttgaag cagtgcacag cctgtacaac agtccccagc agccctgtct 120
atcccccagc atctccctgc tagctgctgt tcctctcctt cccgctggct gggcctgctg 180
ccaagctgtg gtgactcagc tgagctggca cattgacccc agcttattgt ttaaaaacca 240
gcccgactgg gnaatttatg gtttcctatc cccttccaca catttttctg gccacaaggc 300
aagaaactta tctctggcat cttcagattt cttstatttw atttttgggnc ttcccttgcc 360
tggcaatatg tttcatagag tgggtaagtg agacctgaca ggtgttttca aggataattt 420
ca 422

<210> 65
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (674)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)
<223> n equals a,t,g, or c

<400> 65
aattcggcag agcgcttctc cattctctgt gggttgtgtt gttttcttca tgaattccga 60

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agtttactct tggatgatct agttgaagag ctagtgttta ctgatcacac tgtcttctct 120
ccttgaaatt ggtgcatatt agctgcttct agtcagccct cttgcccaga atccccaaaa 180
agaaaaattgt tagttcaggg attgtagctt ttttttttgtt ttaacatgag atatgtgatt 240
ataataaact tcaagtattc aggaccattt tatggataaa aggagaatct aacttttaaa 300
agttgggaaa atgatttaat attggaaact caagagttac aaattcttac agttatttca 360
aaactaaagg tttctttaga gctccaaatt tagagctata aatcctatat ccgtaatcaa 420
atccagtact gataacaatg aacaattgct gaagagtaat attctctctc tctttaccaa 480
tgtaagcctt agcattggta ctttcttgwa wtatcttttt gcatgccatt atgatcagaa 540
aaaacaaaaa gctacccaga aagggcagcc acattctaaa tgataggctt ttacctccct 600
gaggggggctg ctaggtacct acctggatta ggaattcatt tggtaaacaa caggggggct 660
tttaaatcta aatnaccatt tccnaataat tngtttnccg tttattccg 709

<210> 66
<211> 1302
<212> DNA
<213> Homo sapiens

<400> 66
gctcgacaag aagagaaaga aggacatgct gaatagcaaa accaaaactc agtatttcca 60
ccaggaaaaa tggatctatg ttcacaaagg aagtactama gagcgccatg gatattgcac 120
cctggggraa gctttcaaca gactggactt ctcaactgcm attctggatt ccagaagatt 180
taactacgtg gtccggctgt tggagctgat agcaaagtca cagctcacat ccctgagtgg 240
catcgcccaa aagaacttca tgaatatttt ggaaaaagtg gtactgaaag tccttgaaga 300
ccagcaaaac attagactaa taagggaact actccagacc ctctacacat ccttatgtac 360
actggtccaa agagtcggca agtctgtgct ggtcgggaac attaacatgt gggtgtatcg 420
gatggagacg attcttccact ggcagcagca gctgaacaac attcagatca ccaggcctgc 480
cttcaaaggc ctcaccttca ctgacctgcc tttgtgccta caactgaaca tcatgcagag 540
gctgagcgac gggcgggacc tggtcagcct gggccagctg cccccgacct gcacgtgctc 600
agcgaagacc ggctgctgtg gaagaaactc tgccagtacc acttctccga gcggcagatc 660
cgcaaacgat taattctgtc agacaaaggg cagctggatt ggaagaagat gtatttcaaa 720
cttgtccgat gttacccaag gaaagagcag tatggagata cccttcagct ctgcaaacac 780
tgtcacatcc tttcctggaa gggcactgac catccgtgca ctgccaataa cccagagagc 840
tgctccgttt cactttcacc ccaggacttt atcaacttgt tcaagttctg aatcccagca 900
catgacaaca cttcagaagg gtccccctgc tgactggaga gctgggaata tggcatttgg 960
acacttcatt tgtaaatagt gtacatttta aacattggct cgaaacttca gagataagtc 1020
atggagagga cattggaggg gagaaatgca gttgctgact gggaatttaa gaatgtgaac 1080
ttctcactag aattggtatg gaaaagcaaa atactgtaaa taaacttttt ttctaacaat 1140
ttgccagcaa gactataagg gcaataattc tatttcagcg gtgaaaatgg agtcctctta 1200
atggtcacag aaactctctt atagttccct aggaagaaaa aggcaaaact caaatacaaa 1260
ataggacgct ttgtttacaa tgtgaaaatt tgtttagaaa ag 1302

<210> 67
<211> 1046
<212> DNA
<213> Homo sapiens

<400> 67
aattcggcac gagcttctgt tggtgttatt ttcaattcta tttccagtgc cacaatagag 60
tgatatttaa gcaactccta caggcgaagg ccctgcagtt cctccagatt gacagttgca 120
gactgggcag tgtcaatgag aacctctcag tattgctgat ggccaaaaag tttgaaattc 180
ctgtttgccc ccatgctggt ggagttggcc tctgtgaact ggtgcagcac ctgattatat 240
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ttgactacat atcagtttct gcaagccttg aaaatagggt gtgtgagtat gttgaccacc 300
tgcatgagca tttcaagtat cccgtgatga tccagcgggc ttcctacatg cctcccaagg 360
atcccggcta ctcaacagaa atgaaggagg aatctgtaaa gaaacaccag tatccagatg 420
gtgaagtttg gaagaaactc cttcctgctc aagaaaatta agtgctcagc cccaacaact 480
tttttctttc tgaagtgaaa gggcttaaaa tttcttggaa atagttttac aaaaatggat 540
ttaaaaaatc ctaccgatca agatgagttc agctagaagt cataccaccc tcaggaatca 600
gctaagtaat tattacttga ttcttttagc aaatcaatgc acgttatcct acttaatcct 660
taaataagtt tagatttaac taacccaaag tccaggagga tgttcttaca aaaatagcta 720
tatcaagggc tggcacctag acattaaact gtaatttgaa aataagcaac atgttgcata 780
acttgttgga ataattcctt gttctgttta acacttgtca taaattagca gaataaaaat 840
agtcgtgcaa caccgggggt atctggtatg caacgaaggg raaaatattt cactgattaa 900
ccccgaagtg gttttgcatc ttttccttgc ttaatctaag catattatta gagaagtcac 960
accatgctga agctaatgag ggcaaaatgg tagtccatag attattttaa aataacccttt 1020
taaggttata aaagtttaaa aaaaaa                                      1046

<210> 68
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 68
caagagaaga aattatgaaa gggcgtgaat accaagaggc aggtnattgg gggccatctc 60
agaggctgcc caacacaggc tactctttgg cccccgatga ttcatgttcc ttccaaatgc 120
aaaatgcccc gtcccaagat ctccaaaagt cttatcccat tataggatta gctcagagtt 180
cagaacctta tcatctaaag ttccaggtgt aggtaaggct tttgggtgta gttattttat 240
tacagctcct agcacacttc tagtgttata ctaatgcctc ttctgtatag ttcacttgga 300
aataaatgat ntaggtactt tgatccatat ggagttctgt gtaggaagat caacctagat 360
ctgatgttag ctggtaaaca ctgtagtgtt aaaaaggcac tgtnttatga tagctctttt 420
tgacagtgac tgggattatg gggcaaatgg taaatggcat gcaattgaga tcagtattag 480
gttattaatt gaactggaat c                                           501

<210> 69
<211> 581
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 69
aattcggcac gagggaaaga aggccatgta ggggcttgct ttagtcatcc actgctaact 60
cattaactat taattcaagc aatatgtatt atagaaccgt tttgtgtagc attggaatat 120
tgtccatttt gtaagtcatt gtgaatgtnc ttaattatca gcttgaaggt atttttgtat 180
taaaagttga cattgaagaa cctaagtgga tgatgggatt tggggccagt agtgaaagta 240
tgtttcctct aaaatatttc cctaaacagt ggtatacatg gttattttat tatgagattt 300
gtatatgtyc tgtgtttctc tgtgaacaat gtttcagtct ctctgtcacc atatgtaagg 360
ggaagtccac aaatatagac tacattgcac aaaactaaaa ttgttaatta caagaaaata 420
taggtgctta ccttttgaag gtttattaat acatatggtt gtcacaatac gtatatatga 480
taaatggtgt acatatacag atgtttatgg tgtataaatt tttctatacc caaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggccccccc a 581

<210> 70
<211> 1076
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (911)
<223> n equals a,t,g, or c

<400> 70
tccaaacaga gggagcagct atttaagggg agcaggagtg cagaacaaac ragacggcct 60
ggggatacaa ctctggagtc ctctgagaga gccaccaagg aggagcaggg gagcgacggc 120
cggggcagaa gttgagacca cccagcagag gagctaggcc agtccatctg catttgtcac 180
ccaagaactc ttaccatgaa gaccctccta ctgttggcag tgatcatgat ctttggccta 240
ctgcaggccc atgggaattt ggtgaatttc cacagaatga tcaagttgac gacaggaaag 300
gaagccgcac tcagttatgg cttctacggc tgccactgtg gcgtgggtgg cagaggatcc 360
cccaaggatg caacggatcg ctgctgtgtc actcatgact gttgctacaa acgtctggag 420
aaacgtggat gtggcaccaa atttctgagc tacaagttta gcaactcggg gagcagaatc 480
acctgtgcaa aacaggactc ctgcagaagt caactgtgtg agtgtgataa ggctgctgcc 540
acctgttttg ctagaaacaa gacgacctac aataaaaagt accagtacta ttccaataaa 600
cactgcagag ggagcacccc tcgttgctga gtcccctctt ccctggaaac cttccaccca 660
gtgctgaatt tccctctctc ataccctccc tccctaccct aaccaagttc cttggccatg 720
cagaaagcat ccctcaccca tcctagaggc caggcaggag cccttctata cccacccaga 780
atgagacatc cagcagattt ccagccttct actgctctcc tccacctcaa ctccgtgctt 840
aaccaaagaa gctgtactcc ggggggtctc ttctgaataa agcaattagc aaatcawrwa 900
aaaaaaaaaa naaaaaagaa aaaaagtttt ggcctaaatg agtcgtatta cagttgacgc 960
ggccggccgaa tttagtagat ggtgtaattc gacccgagaa attccggaac cggaactctg 1020
aggggtgaca agtttcccca agagcggcgg attaaggctt gggcggacaa agggcg 1076

<210> 71
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 71
gcccacgcgt ccgaggaggg ccgcstttcc ggtctgggtc ccsgagagga ctgccttgct 60
cacctgtccc ctcggcgcgg ccccggggag ctcccgagag gccccmggga tcgctggccc 120
tccgaactcc acagcaatga gcaagttggg caagttcttt aaaggggcg gctcttctaa 180
gagccgagcc gctcccagtc cccaggaggc cctggtccga cttcgggaga ctgaggagat 240
gctgggcaag aaacaagagt acctggaaaa tcgaatccag agagaaatcg ccctggccaa 300
gaagcamggc acgcagarta agcgagggat cwgmacwaaa tagatgnttt gatgcaagag 360
atcacagagc aacagg 376

<210> 72
<211> 374
<212> DNA
<213> Homo sapiens

<400> 72
aattcgacsa gccagggcac cctgcccatg tatcccamgc agagggagca gaaccagcgg 60
tgtaactact gtgcttgaca cccagggcag gtcttttttt aactcaccga tcttccatgc 120
aacaaaattg ttttctgtga aaagcaggaa atgaataaca acagcgtagg tactccactt 180
caaatttccc aagaaattca gaagaattgt gaacaagttg ctggtttcac aatactgcaa 240
gacactgcaa gttattccaa gttcctacag gacaacgatg cacaattatt tacttactta 300
tgtttaaata tacctatcag tttgactttc atcctttggt gacattctaa taatttatgt 360
aaataattat tcag 374

<210> 73
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 73
aattcggcag agctgcattg tcttttaggg ccaatggact tggaggcata gagattttat 60
aactactgcc agaacccaaa tattgccagt sggcctcttc tgctgctgtt gctagctgtc 120
ttcttctggg ggaaatgggt tgggttctaa atatgaatta acacagggct gtcttcgatg 180
aattcagcac aaaatgttct cagcaattga acactcggag ngaagtgtta ggcatttagt 240
gcagactcat agaatagcag gacagggagg gatttggatc tgggcaagca ggagatggrt 300
atgaacatct gtcttttgag acctgccgag gtggcaatga aggtagaggc ccctgtgttg 360

aggtctttat tcaagaggct gtggtccctt tgggacttaa catagcatcc nttagacag 419

<210> 74
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 74
gcaggcgact tgcgagctgg gagcactttа aaacgctttg gattcccccg gcctgggtgg 60
ggagagcgag ctgggtgccc cctagattcc ccgcccccgc acctcatgag ccgaccctcg 120
gctccatgga gccnggcaat tatgccacct tggnatggag ccaaggatat cgaaggcttg 180
ctgggagcgg gagggggggcg gaatctggtc gcccactccc ctctgaccag ccacccagcg 240
gcgcctacgc tgatgcctgc tgtcaactat gccccttgg atctgc 286

<210> 75
<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (623)
<223> n equals a,t,g, or c

<400> 75
aggtagaaaa gcgagcagcc gtcctttcac agcctcagaa agtgctcgct tcccttcggg 60
ggctttcgcg aatcccgagg caatctcgna ggcggtattt gacctgtcca aagacgactt 120
gatacctcta taatgtaaca gaaaaggtca gaaaatatta agcaagtaga agtgtggagc 180
atattaagca agatgaacat ctcgggaagc agctgtggaa gccctaactc tgcagataca 240
tctagtgact ttaaggacct ttggacaaaa ctaaaagaat gtcatgatag agaagtacaa 300
ggttttacaag taaaagtaac caagctaaaa caggaacgaa tcttagatgc acaaagacta 360
gaagaattct tcaccaaaaa tcaacagctg agggaacagc agaaagtcct tcatgaaacc 420
attaaagttt tagaagatcg gttaagagca ggcttatgtg atcgctgtgc agtaactgaa 480
gaacatatgc ggaaaaaaca gcaagagttt gaaaatattc cggcagcaga ntcttaaact 540
tattaccgaa cttatgaatg gaaaggatan tctaccggga ggaattaaaa gctttctgga 600
caactccgcc ggaattgnga tgntcaccgc ttc 633

<210> 76
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 76
agcacaagtt caggaccagc ctgcgcaaca tagcaagatc cccatctnta caaaaaaaat 60
aaacaattag ccagggcata gtggcatatg cccattgtcc catctactct ggaggctgag 120
gcgggaggtt cgangttcac agaaccccca taacccatcc agctagccag gtagaaggcc 180
tccaggtccg acgttgcatt ccccagggtc tgatgctgtc tgcaatcttc atccctaggc 240
agwagagcta aaaatg 256

<210> 77
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (673)

<223> n equals a,t,g, or c

<400> 77
agcagcaagg ccaagcatgc aagaktcacc atccaccctg gccatgatgc agggcctcct 60
ttgctggacc cgcagccctg caggacagag actggcagcg caccgtcatc gccatgaatg 120
ggatcgaagt aaagctctcg gtcaagttca acagcaggga gttcagcttg aagaggatgc 180
cgtcccgaaa acagacaggg gtcttcggag tcaagattgc tgtggtcacc aagagagaga 240
ggtccaaggt gccctacatc gtgcgccagt gcgtggagga gatcgagcgc cgaggcatgg 300
aggaggtggg catctaccgc gtgtccggtg tggccacgga catccaggca ctgaaggcag 360
ycttcgacgt caataacaag gacgtgtcgg tgatgatgag cgagatggac gtgaacgcca 420
tcgcaggcac gctgaagctg tacttccgtg agctgcccga gcccctcttc actgacgagt 480
tctaccccaa cttcgcagag ggcatcgctc tttcagaccc ggttgcaaag gagagctgca 540
tgctcaacct gctgctgtcc cttgccggag caaaccttgc ttcamctttc cttttccttt 600
ttggraccam ctgaaaaagg gttggcagag aagggaggca gttcattaag ttccttgcaa 660
aaaacttngc canggttttt ttggccccaa ggtt 694

<210> 78
<211> 2562
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2556)
<223> n equals a,t,g, or c

<400> 78
ggcacgagtg tagacgaagg ctccatatca ccccggactc tttcagccat taagagagct 60
cttgacgatg acgangatgt aaaagtgtgt gctggggatg atgtgcagac gggagggcca 120
ggagcagaag aaatgcgtat aaacagctcc accgagaaca gtgatgaagg acttaaagtg 180
agagatggaa aaggaatacc gtttactgca acacttgcgt catctagtgt gaactctgca 240
gaggagcacg tagccagcac taatgagggg agagagccca cagactcagt tccaaaagaa 300
caaatgtcac ttgttcacgt ggggactgaa gcctttccga taagtgatga gtctatgatt 360
aaggacagaa aagatcggct gcctctggag agtgcagtgg ttagacatag tgacgcacct 420
gggctcccga atggaaggga actgacaccg gcatctycaa cttgtacaaa ttctgtgtca 480
aagaatgaaa cacatgctga agtgcttgag cagcagaacg aactttgccc atatgagagt 540
aaattcgatt cttctcttct ttcaagtgat gatgaaacaa aatgtaaacc gaattctgct 600
tctgaagtca ttggccctgt cagtttgcaa gaaacaagta gcatagtaag tgtcccttca 660
gaggcagtag ataatgtgga aaatgtggtg tcatttaatg ctaaagagca tgagaatttt 720
ctggaaacca tccaagaaca gcagaccact gaatctgcag gccaggattt aatttccatt 780
ccaaaggccg tggaaccaat ggaaattgac tcggaagaaa gtgaatctga tggaagtttc 840
attgaagtgc aaagtgtgat tagtgatgag gaacttcaag cagaattccc tgaaacttcc 900
aaacctccct cagaacaagg cgaagaggaa ctggtaggaa ctagggaggg agaagcccct 960
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caggaagctg agaaagatgc ggaagattcg ctccatgaat ggcaagatat taatttggag 1080
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attagttatg acagccattt gtaatgaatt tgtcgcaaag acgtaataaa attaactggt 2520
rgcacggtaa aaaaaaaaaa aaaaaaaaaa aaaaanaaac aa 2562

<210> 79
<211> 1610
<212> DNA
<213> Homo sapiens

<400> 79
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gctacagttg caaacaaatg tatagtttтc aaaaagaagc aacttttttg ctccccagtt 180
tattcttagt ttccagccca cgccttgcga tagsratagg catagtgatg gcctcaattc 240
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cagagccccc tctcccaccc ataggagcag gttttgagag taacagaatg aagtgaaaat 360
gacactgtgc cagttctaag accagccctc aaaggttcat gtgtttctgc ttgctttcac 420
tgtatttgaa atgttgctgt gagaaagaca tctctgaaac agctgaatgg tcctaagaaa 480
aggatgagag atgcagggag cagagctccc aactgaggcc agcctagatc acctaagagc 540
caggccccca gtttactctc atgtgtaagc aataaatgct taccccagca ataccaccaa 600
ggtttgtggt tggtttatat acagcattaa tgtggcaata ggtgcaatac accctgttaa 660
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<210> 80
<211> 1048
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (997)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1021)
<223> n equals a,t,g, or c

<400> 80
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aatgctaatg naggctggca ggacgcaaca actccatctt ctgtgacttc tcctacagaa 180
ggcccaggaa gtgtgcactc ggatacctct aactaatctc tggccacact tttccctgag 240
ctacatgcct tgataagtgc attcagagca atagggaggaa aaggaaagcg tttttgtagc 300
ccaccatcta cagctttact gtaaaacctt gtcttattcg agaacttggt aaatctgttt 360
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agcactttat ccaattaggc caagatttaa cattgttgac agtcctgtag ctattttatc 480
ataatttatt atcaatattt tacattaatg gtttcacagt tgccaattac ttggccttaa 540
gggtaaaaag tacaatatac actaaacctc aaccgttaaa gcagatgcaa aaattcacct 600
cacctaaatt gaacttcttg catatttcca ttactgactt ggattgtctt tctttcatat 660
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ntatttaaac atcccaccaa ccaaacac 1048

<210> 81
<211> 1136
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1131)
<223> n equals a,t,g, or c

<400> 81
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gcactgatat ttgtcattga ctcacaggat gattacatgg aagccctggc caggctccac 180
ctcacgggtga ccagggccta caaagtgaat actgacatca acttcgaggt gtttattcat 240
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gcaaacgatg accttgcaga tgctggatta gaaaaaattc acctcagctt ttatctgaca 360
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ccatgttgca ctaaaggaag aggaagaagg agattgggac acataccatt gatttgttgt 1020
taaaaaaaaa aaattcctgc aaccctcttg atcttctctt ttataaataa agtaagcact 1080
ttgaagcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaangggggg nccccc 1136

<210> 82
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<400> 82
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gggagagacc caccgaccct gtggggctgg tccctacatc tggcgctctg acgtggggct 120
ctccctcgct gtgtgaagtt gcaccctgag tgcgggatca gcggaggagt tcaacgagag 180
attcctgagg attgcagtct ataaacttgg tgcaggcggc tgaccccgca gctyaacaag 240
atcaagaggc tgataatcaa gcccctcagc ccgaaactca ggctgctcag ggaaaag 297

<210> 83

<211> 2150
<212> DNA
<213> Homo sapiens

<400> 83
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ctcatggggc tggccacctt ccacgcgctc tgcgtgcttc ctcacctgct tgtcctcccg 240
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atacatcaat gaggcggctg cgatgaactg gagattattt tcgaaatacc agtatttcga 360
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cattgtggtt atgtgggtat ggaagacttt gaatgtgatg actgacctga agaatgcaca 480
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ggtagggcac acactgaagt tgcttttcag ccagcactga atgtatccat caggacatgc 720
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<210> 84
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 84
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gccgtnacac ccccacacct ccagcctcgg ccccactcct tgggctctta aggtcctgcc 120
tcaagaacca cttcctgagt cttagtgtat gtgtgtacaa aagaatgaaa gaagtctcta 180
gagctaaagg aaggagatyc gggctgggct gagaagcatc ttccaggatc acggscttcc 240
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ggaggaggas cggagagcag aagaaaggag tattcatcag gttccttatt gtgctgccac 360
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ccctytgyta gcaggcagaa ccgagttytg gccacamtgt gaaggaaagg cagaagcctg 480
cgktggcary tggtttaagc tcagnnggca gggaaaggga agaggagaat ggttttcacg 540
gagcagaagg ttgtgctcaa ggtggacctt ggagaataaa ggggagagct ccagggaaca 600
g 601

<210> 85
<211> 534
<212> DNA
<213> Homo sapiens

<400> 85
cgcgtcgacg ttcctcctaa ctcctgccag aaacrgctct cctcaacatg agagctgcac 60
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ggctagaccg aagtgtacta gccaaggagt tgaagtttgt gactttggtg tttcggcatg 180
gagaccgaag tcccattgac acctttccca ctgaccccat aaaggaatcc tcatggccac 240
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gaagcacaga cgttgaccgg actttgatga gtgctatgac aaacctggca gccctgtttc 420
ccccagaagg tgtcagcatc tggaatccta tcctactctg gcagcccatc ccggtgcaca 480
cagttcctct ttctgaagat cagttgctat acctgacctt tcaggaactg ccct 534

<210> 86
<211> 1037
<212> DNA
<213> Homo sapiens

<400> 86
tgctgactca tctatagaag gaaactacac tctgagagtt gattgtacac cgctgatgta 60
cagcttggta cacaacctaa caaaagagct gaaaagccct gatgaaggct ttgaaggcaa 120
atctctttat gaaagttgga ctaaaaaaag tccttcccca gagttcagtg gcatgcccag 180
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tgtatcacag tgtctatgaa acatatgagt tggtggaaaa gttttatgat ccaatgttta 360
aatatcacct cactgtggcc caggttcgag gagggatggt gtttgagcta gccaattcca 420
tagtgctccc ttttgattgt cgagattatg ctgtagtttt aagaaagtat gctgacaaaa 480
tctacagtat ttctatgaaa catccacagg aaatgaagac atacagtgta tcatttgatt 540
cacttttttc tgcagtaaag aattttacag aaattgcttc caagttcagt gagagactcc 600

aggactttga caaaagcaac ccaatagtat taagaatgat gaatgatcaa ctcatgtttc 660
tggaaagagc atttattgat ccattagggt taccagacag gccttttat aggcatgtca 720
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atagttaaaa aaaaaaa 1037

<210> 87
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<400> 87
gcggccctac tactactaaa ttcgcggcnc gtcgacaagg agtcctgctt atcacaatga 60
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gctatttcat acctaatgag ggagttccag gagattcaac caggaaatgc atggatctca 180
aaggaaacaa acacccaata aactcggagt ggcagactga caactgtgag acatgcactt 240
gctacgaaac agaaatttca tgttgcaccc ttgtttctac acctgtgggt tatgacaaag 300
acaactgcca aagaatcttc aagaaggagg actgcaagta tatcgtggtg gagaagaagg 360
acccaaaaaa gacctgttct gtcagtgaat ggataatcta atgtgcttct agtaggcaca 420
gggctcccag gccaggcctc attctcctct ggcctctaat agtcaatgat tgtgtagcca 480
tgcctatcag taaaaagatt tttgagcaaa maaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa angggnggcc gctctag 597

<210> 88
<211> 474
<212> DNA
<213> Homo sapiens

<400> 88
aatccttaac ctcctgcatt ttagaaatac tccagagctt gtcttattct taccaaaatt 60
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ggtgwgtcac agcaaccctc agccaccagc tgttttccat ctgccggcct tcctgggga 180
gagtcccttc cagctgtagc ccctgtctat gggaaaagtc tcatgtcctt ttcatctctc 240

cccactgcac actgtctctc accctagact ataattcaag tgaatttgac ctccatttat 300
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ggatcactag actaaggggt agaaatgtgg agatgggagt aactttctgc atgtctttgc 420
aggaggtggc atgtgagaaa gctttttgga agaggtggca cctggagctg tgga 474

<210> 89
<211> 1537
<212> DNA
<213> Homo sapiens

<400> 89
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ccttgggaaa actttcagga ttacatggcc aggacctttt tggaatttgg agtaaagtct 120
acgacctttt atattgtgag agtgttcaca atttcacttt accctcctgg gccactgagg 180
acaccatgac taagttgaga gaattgtcag aattgtcccct cctgtccctc tatggaattc 240
acaagcagaa agagaaatct aggctccaag ggggtgtcct ggtcaatgaa atcctcaatc 300
acatgaagag agcaactcag ataccaagct acaaaaaact tatcatgtat tctgcgcatg 360
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cggagtgtat gaccacaaac agccatcaag gtactgagga cagtacagat tagtgtgcac 660
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aaaacttagc taagttttgt tttgtttttc agcgttaatg taaaggggca gcagtgccaa 900
aatataatca gagataaagc ttaggtcaaa gttcatagag ttcccatgaa ctatatgact 960
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ctacagaact aaaaattaaa acctctttgt gtcccttggt cctggaacat ttatgttcct 1320
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<210> 90
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)

<223> n equals a,t,g, or c

<400> 90
tgacaccatg cctggttaat ttttttaatt ttnattttca gtagagacaa ggttgcgcta 60
tgttgcccgg gctggtatgg aactcctgtg cttaagcggt cctcatgcct cggcttccca 120
aagtgctgag gttgcagcta tgagccaccg cacccagcct acattcottc ttatcaccga 180
gaaacaggtt gatcttcaca ggtgtaatga gtatgaaggg agtgccataa agatattttt 240
tatttttat ttatttattt tttaatttaa ttttttttt tttgggatgg gngtcttgct 300
ctgg 304

<210> 91
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<400> 91
ggtagagatg gggtctcgtc atgttgacca ggctggtctc aatctnctgg tctcaggcca 60
tccttccacc tcattctccc caagaactgg gattacaggc atgagcaact gcacctggtc 120
catatgcttc ttatagttga agaagtgaag ggtcaatgac tttactaaaa tactattaaa 180
gtaataaagc taggacttag ccccaattat tcatccttaa agtccaatac tttcaatata 240
ttaagttgct ctttattata tgaattctaa atatctttt tacctttttgt tatctaatct 300
ggaaatccta tataaatgta taattttata catgctgact gatatccyct ctagtcttgc 360
tatactagg 369

<210> 92
<211> 315
<212> DNA
<213> Homo sapiens

<400> 92
gctttttacc ctctccaaac cttctaaccc tagcttcatg aatttatgtt actcgcctag 60
agggctctct ataaatatat acatttgtaa ctctctgttta atataaataa atcattcttc 120
atagcaagga ttctggcatc agttggagat tctttggatg gatgtgctcc catggagttt 180
ctattttaat gtactaacaa cttatgactc gtctatctgt agtatcaatt atatccacta 240
tcacagtaac agtcaccact taatatgyat agratatctc attttaccaa gcaattatgg 300
tatctctgat ttata 315

<210> 93
<211> 701
<212> DNA
<213> Homo sapiens

<400> 93
aacattacaa gggcttttat aaaaaaccct ttgttcatat ttcttccctt taaaatatgt 60
aatgtcaaaa atgactcacc ttttaaaaat tatgcatgaa aacaggtggt aaacattcag 120
taatacgcta tttctccaac atcaagacaa ctaaaacaaa tgataaaaat gtttatttt 180

acactccagc atatcgggtg agttttaggg atgtgtatga atatttaaat cttttaattt 240
cagttttaat gaaagctgaa cttaataggg aaagctagct cttggtaact agcaatgatc 300
aggcattgtt tgcctctgtc aggttttctt atctgtttta ggtacatttt ttcagattct 360
gattgtttga gttaatggtt gaatttttaa agttttagt tacttaaaat akgattttaa 420
attrcatatt aatttagaaa attcctgtgt ttacttatat tttaaattgt gaaatggatc 480
caatcattag aacagagaga atagttcttt gaaactgaaa tactttagtt ttactgacct 540
tgtgtaaaga taatatgaag aaccagcttc caaaagaaac cagcaratgg cactataaac 600
tatttcattt gagcaccatt ctttaccatg gatatattaa ttatgtatta tagtggagtg 660
atcatacagk tcccccaaat gtgatggttc aagggaattt a 701

<210> 94
<211> 459
<212> DNA
<213> Homo sapiens

<400> 94
cgggcaactc tctggcatcc ttaatattct tctatagaaa ttgtgatgaa agaacagata 60
agcctaagta aatctagcgt gtggagctcc tttaaaatgt gaagaccttg ccawctggtt 120
aaaaataaaa cttggttttg tcctaaatat ccttgctggg cctattatac ataaaaaaag 180
gggccacagc ccatttgcaa ggcttctgaa tgaactccat tcattctgta cttggaaatg 240
tctcttcagc cacaaaaaga acaatagtta taacctaatt tctttggtgc catatcagca 300
gaagaagagc caagagacca ttatgaaaac tctagtaagt tctcttggtg attatataat 360
gctgtawtca ttgatcatat tkctgtattt aaatagtac attttttaaa acatcataaa 420
gtggatcagt aatgctgtaa tatcacattt catgtatta 459

<210> 95
<211> 2589
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2568)
<223> n equals a,t,g, or c

<400> 95
ggcacgaggg ctgccccttt gggttccagc cggggtcacg tccagcctcc actgggaaac 60
cagtgactga ggcctggacc cagaggtgga ccaggcatct cctggccacc tgtgacctgg 120
gaagaagcga gtcagtggcc cgttcaacct gctctgcagc tgctataaat agcctccctg 180
tttccaagag gaggtaagga agtgtttatc ttctaaaaac cagacgtttc ctgatgctct 240
gagcgttact cagtgctaca gaggagatgc acacgtcccc actatgttct gtcttgagaa 300
ggggacaaga gaaagaggaa aaggagccac tgtactttat tttgcaccta cagcgtgcct 360
tggcactggg ctagagaggc accttcctgc gtgaatcctg tgcggcaggt cttattgcca 420
taataagtca catcaaagac actgctggtc ataaaacact gttttacata ccatagggaa 480
aaacgctgcc aatcttaact aagatgctac aactgtacag ttccttccaa tcagagatgt 540
tcacgtgtga aaaaaaaact gtgctactta caatctatga aagctggtrt tatcccactt 600

ggcaggtaag ggaactgagg tcctgtgagt gaagtgacct catgatcaca caacaggaga 660
tggcagggct gggattcaaa cccgggagtg tctgctgcca catcccacac tcccactgcc 720
tggctccaag tcccaggaag ctcgagactg tgagttttct cccttgaaac tcacctggag 780
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ccacaccctg ggaggagaag cggcctccct tccaggctca tctgctcact gcccgcattc 900
tcctggcaga gctgaggtct gagagatctg gactccaacc caagggccct ctcttgttat 960
tcaggggtgt ccacagttag graggggacct ggggccttgt cccaccacct tcctaggccc 1020
cgtgatcacc acccctcaa gcggggcccc agcccnctga gcaccccctc acgtgaccca 1080
gccctcggct gttccaggct cactgcccat ggtgtgctct tctgggccac agcagccagg 1140
gctccagggc gaggacrggg gacacctgaa aacaccccgt tgttcatggt cttgtgccca 1200
ttcattcgga gactcctgaa aaactgggct gtttgcaaag caaatccagc tccttgtcct 1260
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acgtttccag tccctcgatg ccactaatca gcatggactg tgttcaggac acagggtgaa 1380
cttttctctg acccccggtg ctggtcctgt gccagcacgt agtagttamt cagtagaggt 1440
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ataacgcaca caaagatact ccagaaacat ttgctgagta cctagtacgt gtgaggtgct 1560
gtgaggatag agcagagagg actgtgcccc agctgtgatg ctggcagagg tqacactaag 1620
agggaaatga gatatttggg gcagaatcca ctgggctctc ttggccatcc gctgccttgg 1680
gtctgttgag gtgggtgccc aaaggctgcc ttcttgacca gaacctgctg tgcgcttcac 1740
agaacctcct cttcattgga aatgctgggc acattgcagt cagtgagctg ctgccaaaac 1800
ggcgttaagt agaaccccca gaggccccgc cggttggtga tcaccctcag gtcctgccag 1860
ggagacacag tgaggaggtt ggctaattgc tgcttcagg ccctggaaat cagtcgccaa 1920
ggcccaggag aaccccggtg agtccgtcca gttgaggcag aggcaataac ctcccattgc 1980
tcggccctgc gcctgcccca gtcctggcag ggggcaccgg ctcaggaaca tgcggcctcc 2040
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gtgtgacaat ctgtctgtgc cttacgaaag tgtctgtgca ctttttatcc tttttaaaag 2160
caacttttaa aagtggatgg ggaggggggc tagcatacgt ggtagggttc tagaaatctg 2220
tggtcatcgc tgaaatcctt tttgcatcat gttttttgat gttggagtga tgaagtgtac 2280
atcccccacc ccacacacca ctacctgtgt acagaccttt taaaacatgt cttcttttttc 2340
tgattcaata ctgtgacctc tccgatacag tctaatcctt ggggatctgt aatcaaggtt 2400
ttaaaacctg ggaagtgggt tgggaagggt ttgcactggt cttgagtgtt gtgcttttct 2460
gtgttgtgtg ttttgatttt tgtctttttta tctgttttat attgacataa ttttcctgtt 2520
taaaaaaata caactttggc ttgttaaaaa aaaaaaaaaa aaaaattnct gcggtccgca 2580
agggaattc 2589

<210> 96
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 96
gagcacatct ggctctccat atgggaccgg ccgcctcgta gctgtttcac tcgcatccag 60
agggccacct gctgcgttct cctcatctgy ctcttcctgg gcgccaacgc cgtgtggtac 120
ggggctgttg gwgactctgc ctacagcacg gggcrtgtgt ccaggctgar cccgctgagc 180
gtcgacacag tcgctgttgg cctggtgtcc agcgtggttg tctatcccgt ctacctggcc 240
atsctctttc tcttcyggat gtcccggagc aaggttatca atactctggc tgaccatcgt 300
catcgtggga ctgactttgg tggaagtcct tggttactta tcattaactg tgtttctgag 360
aagttataaa tntggcatct cctnctgcac aacttacctt tgggttataa taatctggtg 420
accatcgtca cgttggactg antttggggg aagcctt 457

<210> 97
<211> 516
<212> DNA
<213> Homo sapiens

<400> 97
agctcccacc agcctccttt ttatttttt gtacagatgg ggtcttgcta tgttgcccaa 60
gctggtctta aactcctggc ctcaagcaat ccttctgcct tggcccccca aagtgctggg 120
attgtgggca tgagctgctg tgcccagcct ccatgtttta atatcaactc tcactcctga 180
attcagttgc tttgcccaag ataggagttc tctgatgcag aaattattgg gctcttttag 240
ggtaagaagt ttgtgtcttt gtctggccac atcttgacta ggtattgtct actctgaaga 300
cctttaatgg cttccctctt tcatctcctg agtatgtaac ttgcaatggg cagctatcca 360
gtgacttgtt ctgagtaagt gtgttcatta atgtttattt agctctgaag caagagtgat 420
atactccagg acttagaata gtgcctaaag tgctgcagcc aaagacagag cggaactatg 480
amaagctctc ctgccatctc caagcccact tttcag 516

<210> 98
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<400> 98

ggagaccgcg cgcgggacgg ggaggaatgg cctgtccgcg ttaaaccatc acaagccatg 60
gttgcggaag ggccacgcgt cccccagtag gagaatgact ccgattcgtg accctcagcg 120
ccggtgcatg tcgatcttgg cccccagggc tgtgatgcag ccagccaggt ctcagggaga 180
gggaacccag aagcctggca tgctggccaa aggagtcaag gaaacttttg agctatttac 240
agcttgtagc aattatgtaa agnatactcc nctgaacaaa atttggagca tgtttgttnc 300
tctctacctg attt 314

<210> 99
<211> 679
<212> DNA
<213> Homo sapiens

<400> 99
agttgttccg tgtaggctgt tgttgactct cgtatgaaag cccacgcgat ccaagtgccc 60
tgcaggtttt ggtccaggga aaagttggtc tctgcagatg actgtaaatg actacctgga 120
ggtcgattaa agtgcggtac tgcgggattc arccgatttc cttcttcctc tgactgcccg 180
gaaatatcag ccaaaggcca gcgttctaag gacatatgga attggctatg gataattcat 240
atgctttcaa tcaacgaagc acatgtaatg gaattccatc tgagaagaaa aacaacttcc 300
ttgtatcaga agatcatgga caaaaaatct taagtgtact acagaatttt agagaacaaa 360
atgtctttta tgatttcaaa ataattatga aagatgaaat aatcccgtgt catcgttgtg 420
tgttagcagc atgcagtgac tttttcaggg ctatgtttga agtaaacatg aaagaaagag 480
atgatggaag tgttaccatt actaatttgt cctccaaggc agtaaaagca tttctcgatt 540
atgcctatac tggaaaaaca aaaataacag atgataatgt ggaaatgttc ttccagttgt 600
catcatttct tcaagtttcc ttcctatcca aagcttgcag tgacttttta ataaaaagta 660
ttaatcttga aaaaaaaaa 679

<210> 100
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<400> 100
aattcggcac gagtctcacc cctcggagac gctcgcccga cagcatagta cttgccgccc 60
agccacgccc gcgcgccacc accatgctag gtaacaagcg actggggctg tccggactga 120
ccctcgccct gtccctgctc gtgtgcctgg gtgcgctggc cgaggcgtac ccctccragc 180
cggacaaccc gggcgaggac gcaccagsgg agggacatgg ccagatacta ctcrgcgctg 240

cgacactaca tcaacctcat caccaggcag agatatggaa aacgatcyag cccagagaca 300
ctgatttcag acctcttgat gagagaaagc acagaaaatg ttcccagaac tcggcttgaa 360
gaccctgcaa tgtggtgatg ggaaatgaga cttgctctct ggccttttcc tattttcagc 420
ccatatttca tcgtgtaaaa cgagaatcca cccatcctac caatgcatgc agccactgtg 480
ctgaatttctg caatgttttc ctttgtcatc attgtatata tgtgtgtttta aataaagtat 540
catgcattca aaaaaaaaaa aaaaawaaaa aaaaaaaaaa acnnggggggg gggccccgn 599

<210> 101
<211> 1189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<400> 101
gggggcggga aggcgtgacc gccatgcaca agctctttga ctgggccaat accagccggc 60
gcgggaggag ataagcaagg acctcagagc cacactgaac gccttcctgt accacatggg 120
ccaacacagc aacaaattca tgctggtcct ggccagcaat ctgcctgagc agttcgactg 180
tgccatcaac agccgcattg acgtgatggt ccacttcgac ctgccgcagc angaggagcg 240
ggagcgcctg gtgagactgc attttgacaa ctgtgtttctt aagccggcca cagaaggaaa 300
acggcgcctg aagctggccc agtttgacta cgggaggaag tgctcggagg tcgctcggct 360
gacggagggc atgtcgggcc gggagatcgc tcagctggcc gtgtcctggc aggccacggc 420
atatgcctcc aaggacgggg tcctcactga ggccatgatg gacgcctgtg tgcaagatgc 480
tgtccagcag taccgacaga agatgcgctg gctgaaggcg gaggggcctg ggcgcggggt 540
cgagcacccc ctatccggag tccaaggcga gaccctcacc tcatggagcc tggccacgga 600
cccctcctac ccctgccttg ccggcccctg cacatttagg atatgctcct ggatggggac 660
tgggctgtgc ccagggcctc tgtcccccag gatgtcttgt ggtggcggtc ggccgttctg 720
ccccccaggg caccccctgt tgtaggcact ggctagggag gggcaggcct ccttcctgcc 780
cctcgagaca ctcttgggag atgcattttc cgtctggctc acagggggag ggtgaggctt 840
tgtaccccag cccctgccca ggccactgtg agggtgggtg ctggctgagc ccctggggca 900
gaaggagtgg ggcaggcggg gtctttgttc tcggctccca cagcagagcc aggtgagggg 960
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gggccacgga acccggcagg ggtgtctgag gccgccctgt cagctggccg gtccaagcct 1080
gtggctggag ctggtgtgtg tttatctaat aaagtcccac aggtgcctca aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1189

<210> 102
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<400> 102
gccaatttga tgaagtgcaa agttcaggcc ggtatgattt tnagtgtctg caaagataaa 60

agcttcgatg atgaagaatc agtggatgga aataggccat catcagctgc atcagccttc 120
aaggttcctg cactaaaaca tccggaaatc ctgccaacag tgcaaggaag ctggttcagc 180
aggtggccct aaggttkgag gtttstaaatc catttcaatc tgttatgctg gtccatggcc 240
ttgatattgg c 251

<210> 103
<211> 458
<212> DNA
<213> Homo sapiens

<400> 103
gggaggcttt ctgaattatg ggggcaacat ggggagactg ggctttctgt ggaccatgac 60
agctccgcag ccgtgctggg ctcctcagct ccactgtcag ggctaggaat tggccacaga 120
acccccagag ccaaccctgg ggcccactag gaccccaaac acctgtgttt tcattctgcg 180
tggcctcctg gttccctgga gttctttttt atgctgcctc tggtgtgagg tcctcagcat 240
ttaatttgtt ctaagtttaa aagctgcaag agcaaaacag aaccccaaa gcctggggcc 300
cacagctgct gcggctgatc agagatacga ccccagagga ccacgtccac cargggccgg 360
atggacagcc acctattttg tamtccttgt ttcaaaagca acaatagcaa ataacattcc 420
aaaagttcta tgatragact tcaagacact aggattta 458

<210> 104
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 104
tgtgtgtccg cgcaggcgag caccgcgccg gccctgagcc tcccgctcgc tccccacggc 60
cgcggtgcat gttcgcctcc tgccactgtg tgccgagagg caggaggacc atgaaaatga 120
tccactttcg gagctccagc gtcaratcgc tcagccggag atgagatgca ccatccggct 180
gctggacgac tcggagatct cctgccacat ccagagggaa accaaagggc agtttctcat 240
tgaccacatc tgcaactact acagcctgct ggagaaggac tactttggca ttcgctatgt 300
ggacccagag aagcaaaggc actgggcttg aacctaacaa gtccatcttc aagcaaatgn 360
aaactcatcc accatacacc atgtgcttta gagtgaattt anccacatga acccttgaag 420
attaaagaag actcacaag 439

<210> 105
<211> 233
<212> DNA
<213> Homo sapiens

<400> 105

tcccaaagtg tggggattat aggcatgagc cactatgccc agcctacttt tgtttttaag 60
aaattgaaac gatatagaaa agtacaaaga acaaccttaat aaacactcat attcccacca 120
ctcagaatta tcaacttttt atcattttat catatttgct tcagatcttt ttttttttta 180
aagaaaagta taacagattt agctaaagta ccctttgacc aataccccac ccc 233

<210> 106
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (704)
<223> n equals a,t,g, or c

<400> 106
ggcagcgggtg gccgaggcct cttggttctg cggcacgtga cggtcgggcc gcctccgcct 60
ctctctttac tgcggcgcgg ggcaaggtgt gcgggcggga aggggcacgg gcacccccgc 120
ggtccycggg aggctagaga tcatggaagg gaagtggttg ctgtgtatgt tactggtgct 180
tggaactgct attgttgagg ctcatgatgg acatgatgat gatgtgattg atattgagga 240
tgaccttgac gatgtcattg aagaggtaga agactcaaaa ccagatacca ctgctcctcc 300
ttcatctccc aaggttactt acaaagctcc agttccaaca ggggaagtat attttgctga 360
ttcttttgac agaggaactc tgtcagggtg gattttatcc aaagccaaga aagacgatac 420
cgatgatgaa attgccaaat atgatggaaa gtgggaggta gaggaaatga aggagtcaaa 480
gcttccaggt gataaaggac ttgtgttgat gtctcgggcc aagcatcatg ccatctctgc 540
taaactgaac aagcccttcc tgtttgacac caagcctctc attgktcagt atgaggktaa 600
tttccaaaat ggaatagaat gtggtggtgc ctatgtgaaa ctgctttcta aaacaccaga 660
actyaamctg gatmakgtts agaggactat aaactgcctt catn 704

<210> 107
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 107
ggaatacccc ctcacttctg tggcttcttt cctgtagtag acgatcaagg gtggaatcta 60
cagtccatgg gccctgactt cttgccttcg tctcaaatag actctgcagc cagccatcta 120
tgcagcgccc cagtggcttt gaaatgcaac agaaaccatc acccccggac catgggctcc 180
atgccaqtgg gcaaagcaca ggtgcgttca ctgagttccc agcacatagc tgtggcaggc 240
acttggtgat attttgaaat aaaagaatgg aagaatgtgt ccaagctgtg cttccccttt 300
ctaccttact cagggacatg gtgccctcct ctctggttyc ctgccctgtg ccamccccg 360
sccccgcaa gcacagytct tatgtgcaaa gcccctgtaa gtgctggagg gattactgat 420
ggcttnnggg aagtggcaat gggat 445

<210> 108
<211> 592

<212> DNA
<213> Homo sapiens

<400> 108
accaaaactg cacaaagata gaaacaggga cttctgtgct ccttgagctt cacgtgttaa 60
cctggctccc cagaccaaag accaacaccg cagggtgagt tcatccttcg ccaacagcaa 120
tctttccctt cctctgaggc cagccatccc catcccagga ggcaggggaa gcaagcccgg 180
ggagggcagg agagctccca gctcagtgaa gcagctccac cggccccgaa gcacctccct 240
tgctcacagc tcrgascсca gcttctccct gctgcmaagr taactgcagc yttcagactg 300
acttccatgc ccctctagct agggsccatc acttcaagtt caggcgccaa aaaccaagaa 360
agtaaatcac acttcataga ctttatttac cttaaaaaat tcctgagttc attcatgtct 420
ccaaaccact agagaacctg aaaattcacc aggaaattgg gcaactgcaa gttatcctgg 480
agactccaga gtcaacactt cattaaatga gaacaatctg gttcatgcgt tgaagctgtt 540
acagtaatca gggcgacatg ggcaggggaa gcgatttttc tgaagctgtg cc 592

<210> 109
<211> 381
<212> DNA
<213> Homo sapiens

<400> 109
tcaccttgta gagaagaaag tcaacagata atttctaaat tggaaaatca ggaaattaca 60
gtcattataa gagatatatg gggaggatat aaataccaga ataaaaagat aaaagagatg 120
aaaatagtag tctctgggga gctaaagtct aaaatacaaa ggtgtgaggc agaccttata 180
tactacttaa cttgtatact atttatagcc cagtattctg tttttctagac ctgtccaggt 240
gttaagggat ccaatctatg aaccagcaga gacccaatga ctaaagmcaa actttgctgc 300
acactgaaat cacctggggg aatcttttaa aaagtactga cgcctgactc ccacccacaa 360
acagtctgat ttaattgggc a 381

<210> 110
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<400> 110
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attggtcggg acctgaagcg ttgaggttaa gggcaaggca aggagcaacg aggagttttt 120
cgttacgtta gaaaaatttc gttgcgtgct gaaagcgctt ttacctgtgt tgtatgattt 180
aaccttatga aaatggacag tatttccagt tttacaagtg aggaaagaag attaagaaac 240
ttgcctccgc cangcgtggt ggttcactcc ctgtaatccc agcactttcg gcggccgaag 300
caagcggatc acttgaggtc angagttcga agaccagcct gggccaaaca t 351

<210> 111
<211> 1583
<212> DNA
<213> Homo sapiens

<400> 111
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ccggcgcggc gcggctgccc tcgcgggtgg cccggctgct gtcggcgctc ttctacggga 120
cctgctcctt cctcatcgtg cttgtcaaca aggcgctgct gaccacctac ggtttcccgt 180
caccaatttt ccttggaatt ggacagatgg cagccaccat aatgatacta tatgtgtcca 240
agctaaacaa aatcattcac ttccctgatt ttgataagaa aattcctgta aagctgtttc 300
ctcwgcctct cctctacgtt ggaaaccaca taagtggatt atcaagcaca agtaaattaa 360
gcctaccgat gttcaccgtg ctcaggaaat tcaccattcc acttacctta cttctgaaaa 420
ccatcatact tgggaagcag tattcactca acatcatcct cagtgtcttt gccattattc 480
tcggggcttt catagcagct gggtctgacc ttgcttttaa cttagaaggc tatatttttg 540
tattcctgaa tgatatcttc acagcagcaa atggagttta taccaaacag aaaatggacc 600
caaaggagct agggaaatac ggagtacttt tctacaatgc ctgcttcatg attatcccaa 660
ctcttattat tagtgtctcc actggagacc tgcaacaggc tactgaattc aaccaatgga 720
agaatgttgt gtttatccta cagtttcttc tttcctgttt tttgggggttt ctgctgatgt 780
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tgttaaacttt tgtagggtta aatatttgca tggcagggggg cttgagatat tccttttaa 960
cactgagcag ccagttaaaa cctaaacctg tgggtgaaga aaacatctgt ttggatttga 1020
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ttcccagtag gaatgtgaag ccagaggttt cggattcgtg acatccaccc cctgggcaag 1140
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ctcaagaaat gtactcgggc gacaccttac ctgtggaaag caaatctttt caaaataagc 1260
cactgggact cggtaggtgg agcccccagct gctcttctag ggacctatgg ggccttcgtg 1320
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acagacatgt ctttagtcta ataaaattag ttaactgcca gtaaagttat ttgttagctt 1500
tgatgaaagc tatgttggta tctttcccta atcatcaaag taaataaaaa atcatttcta 1560
aaaaaaaaaa aaaaaactc tga 1583

<210> 112
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 112
ccggcagcta gagcagctac tgactctgtt tcagccatct tcgataaagg caaaaaggta 60
agggaaagtt tccaagcttt aggaagaatt attttttttc aagacgctgt cttccgtact 120
ttcgttatta aacatacggc tcaagtgatc accggtatag acagtgacat cagacatctt 180
tcattagccc tactcaaaaa tggcggcaac gtaatatcct gggccggagt cggttgtaac 240
ccggaagtgc ctttgtaaag gaggggtggt tagacaatcc ggaartggat ggaatgaaga 300
gatgccactt ggcggcccat ggcagctgtt agtatcggcg actccgggtm aaggcccgkt 360
csagttgcat taccatgggg cagcaccngg ttttaggggc agggacantt ttgttgttca 420
anttgttgct g 431

<210> 113
<211> 2842
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2040)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2656)
<223> n equals a,t,g, or c

<400> 113
ggtggactcg gagtccgcga gcgtcgtcgg caagcggccg cctttccacg gtactccgag 60
cactatgtcg tccccggcgt cgaccccgag ccgccgcggc agccggcgtg gaaggccac 120
ccccgcccag acgcctcgga gtgaggatgc caggtcatct ccctctcaga gacgtagagg 180
cgaggattcc acctccacgg gggagttgca gccgatgcca acctcgcctg gagtggacct 240
gcagagccct gctgcgcagr rcgtgctgtt ttccagccct ccccaaatgc attcttcagc 300
tatccctctt gactttgatg ttagttcacc actgacatac ggcactccca gctctcgggt 360
agagggaacc ccaagaagtg gtgttagggg cacacctgtg agacagaggc ctgacctggg 420
ctctgcacag aagggcctgc aagtggatct gcagtctgac ggggcagcag cagaagatat 480
agtggcaagt gagcagtctc taggccaaaa acttgtgatc tggggaacag atgtaaatgt 540
ggcagcatgc aaagaaaact ttcagagatt tcttcagcgt tttattgacc ctctggctaa 600
agaagaagaa aatgttggca tagatattac tgaacctcta tacatgcaac gacttggga 660
gattaatgtt attggtgagc cattttaaa tgtgaactgt gaacacatca aatcatttga 720
caaaaatttg tacagacaac tcatctctta cccacaggaa gttattccaa cttttgacat 780
ggctgtcaat gaaatcttct ttgaccgtta ccctgactca atcttagaac atcagattca 840
agtaagacca ttcaacgcat tgaagactaa gaatatgaga aacctgaatc cagaagacat 900
tgaccagctc atcaccatca gcggcatggt gatcaggaca tcccagctga ttcccgagat 960

gcaggaggcc ttcttccagt gccaagtgtg tgcccacacg acccgggtgg agatggaccg 1020
cggccgcatt gcagagccca gtgtgtgcgg gcgctgccac accacccaca gcatggcact 1080
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aattttgctt cagctctttg gcgggacaag gaaggatttt agtcacactg gaaggggcaa 1560
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gaatgaaagt acaagatcgg tattgcatga agtcatggaa cagcagactc tgtccattgc 1860
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gcatcgtgga catatctatt cttactacgg ggatgagtgc cacctctcgt aaacggaaag 2460
aagaattagc tgaagcattg aaaaagctta ttttatctaa gggcaaaaca ccagctctaa 2520
aataccagca acttttgaa gatattcggg gacaatctga catagcaatt actaaagata 2580
tgtttgaaga agcactgcgt ccnctggcag wtgatgattt cctgacagtg actgggaaga 2640
ccstgcgctt gctctngaag ccttgtgagc aaggaaggct ccctgcatgt cctgctgct 2700
gcacgccaca tgggtgtggt ctgcatctca gttggccgcc atcagtgtaa atagagctta 2760
aagtcatggt ttggctgcat aaaaattttc taacttgggt tcaatatttg tagtgaagta 2820
tctgtttttca ttttttcac gt 2842

<210> 114
<211> 268
<212> DNA
<213> Homo sapiens

<400> 114
attttgctgc tggtgggttg ggctacagca ggcctctgga gccacaccag ggcacgggag 60
tgggtgcagg gaccgtcacc gcgccttcac acgcaccata gtgcccggct aattactctg 120
cttttatgag ccaaggtgtt cccgaaagtg garccagcgc cacgcgtctc yaaggtctcc 180
atacccagcc ttcgtccctg cggtgcccaa aagccttgcg cgcattttgc atttgggaaa 240
aaaagtcctg aatgcgaacg tcacccca 268

<210> 115
<211> 800
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (673)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (794)
<223> n equals a,t,g, or c

<400> 115
gcgtcggggc ttcggaggcg tgcgggcttc ggaggcgtgc gggcttcgga ggcgwgcggg 60
cttcggaggc gtgcgggctt cgggtgccat ggggactcct cccggcctgc agaccgactg 120
cgaggcgctg ctcagccgct tccaggagac ggacagtgta cgcttcgagg acttcacgga 180
gctctggaga aacatgaagt tcgggactat cttctgtggc agaatgagaa atttagaaaa 240
gaacatgttt acaaaaagaag ctttagcttt ggcttggcga tatttttttac ctccatacac 300
cttccagatc agagttggtg ctttgtatct gctatatgga ttatataata cccaactgtg 360
tcaaccaaaa caaaagatca gagttgccct gaaggattgg gatgaagttt taaaatttca 420
gcaagattta gtaaatgcac agcattttga tgcagcttat atttttagga agctacgact 480
agacagagca tttcacttta cagcaatgcc caaattgctg tcatatagga tgaagaaaaa 540
aattcaccga gctgaagtta cagaagaatt taaggaccca agtgatcgtg tgatgaaact 600
tatcacttct gatgkattar aggaaatgct gaatggtcat gatcattatc agaacatgaa 660
catgtaattc agntgataaa gtccaagcca gataaggcct taacttgata aaggatgatt 720
tttttgacaa tattaagaac atagttttgg agcatcagca gtggcccaaa gaccgaagaa 780
tccatcctta aggncaaaac 800

<210> 116
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<400> 116

aacaaaggca ttgccatcta caagaaggat ttcttcctgg tgcagaagct ggtgagctgg 60
gctctgtttc agggcaaatg agggccagga gctgcctgtg tgactttggg gctccctctg 120
ccagtgacca atccctctta aaaagcagtc aggtcaatgc tactgagtag cctcagagag 180
aatttcctaa acaatacaag aaagagaaag ataggtctct tttccttttt ggttctaagc 240
atccttttct cacttcaggg tagggtggcc aagctctggg gtctcaatcc agaaggaggc 300
ctaagtgggc atcagactta aaataggcag gaggaagatg cggaggaggg tggcaaktag 360
aggtgagcca ttccccagag gaagatgcag ggggagggca ccctggggtg aaggccactg 420
agagccagca agtgcctgcg gactgacctg ggggcctctg cccacttcct ttgacccaga 480
gttgccttcc agtaactcag ctgttcaagc ccacattccc taagatttat cttgtcctct 540
ctcccatatt cttctnggaa aagcagatgc tttgctaatc ccaaggaatt gnatttttttc 600
cagccctgtt ttcanaaaat ctggggcttt ggggaaaaaa aattnt 646

<210> 117
<211> 1534
<212> DNA
<213> Homo sapiens

<400> 117
gcgacctcgg ccataagcgc ctgcgcagtc gcggggccgc cggccgtgct gttcccgcca 60
attcctgtgg taatccttac cgtggcgagt tccgcgctca atggagacgt ttgaccccac 120
cgagctgccc gagctgctta aactttatta ccggaggctc tttccctact ctcagtacta 180
tcgctggctc aactacggtg gagtgataaa gaattacttt caacaccgtg aattttcatt 240
cacattgaaa gatgatattt acattcgcta ccaatccttc aacaaccaga gtgatctgga 300
aaaggagatg cagaaaatga atccatacaa gattgatata ggcgcagtat attctcacag 360
acccaatcaa cacaatacag tgaagctggg agctttccag gctcaggaaa aagaactggt 420
atttgacatt gacatgacag actatgacga tgtgaggaga tgttgtagtt ctgcagacat 480
atgtcctaag tgctggaccc tcatgacaat ggccatacgc atcattgaca gagcattgaa 540
ggaggacttt ggatttaagc atcgtctctg ggtatattct ggaaggagag gtgttcattg 600
ttgggtctgt gatgaatcag ttagaaactg tctttctgcar tacgttcygg gatagttgag 660
tatttgagcc ttgtaaaggg tggtcaagac gttaaaaaga aagttcacct aagtgaaaaa 720
attcaccctt ttatcagaaa atctataaac ataataaaaa aatactttga agaatatgcy 780
ttggttaatc aagatattct cgaaaataaa gaaagctggg ataagatttt agcccttgtc 840
ctgaaacaat tcatgatgaa cttcaacaaa gcttccaaaa gtctcacaat tcacttcagc 900
gttgggagca cttgaagaaa gtagccagca gatatcagaa taacatcaaa aatgacaaat 960
atggaccctg gctggagtgg gagattatgc tccagtactg ttttccacgg ctggatatca 1020
atgtcagcaa aggaatcaat catctactga agagcccttt tagtgttcat cctaaaacag 1080
gtcgcatmtc tgtgcctatt gatttgcaga aagtggacca gtttgatcca tttactgttc 1140
cgaccataag cttcatctgc cgtgaattgg atgccatttc cactaatgaa gaggaaaaag 1200
aggagaatga agctgaatct gatgtcaaac atagaaccag agattataag aagaccagtc 1260
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gagaacttct taagaagagt gatttacaaa aagatttctg aagacagagc tcctcaaacc 1380
attgtggata tcttctgcct tcaaccacag atcaaatact tcaagagcca tttaataaat 1440
atggcagaac tatatatgtg tcttaaacct caaagtaaat tttccttgag aaataaaaaa 1500
aaaaaaaaaa aaaaaagtcg agactagttc tctc 1534

<210> 118
<211> 339
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 118
tagatgaaga taatgaaaaa gaaaaaaggg actctttagg caatgaagaa tctgttgata 60
aaacagccatg tgaatgtgta aggagtccaa gggagtcttt ggatgacctg tttcaaatat 120
gttctccatg cgccattgca agtggtcttc ggaanacctg gctgaattga caacattatg 180
tttggagttg aatgtattga attctaagat caaaagcacc agtggracat gtgggaccac 240
actttgccaa cagtaactct cctgaaattc tgggcttgcc atttccctga aagaagtact 300
tttttcntcc ggaacttgga aaagagcgaa ggnagagta 339

<210> 119
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (616)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (656)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<400> 119
aaagagtgtc cctagttgta acagaaactg tcgatgcagg tttatttgga gaaggaattg 60
tggagagttt gattcatgca tgggagcatt tacttttaca gccaaagacc aaaggtgaaa 120
gtgctaattg tgaaaagtat gggaaagtta taccagcaag tgctgttata tttgggatgg 180
cagtagaatg tgcagagata agaagacatc atagagtggg tattaaggac attgctggta 240
tccatttgcc aacaaatgtg aaatttcaga gtccggctta ttcttctgta gatactgaag 300
aaacaattga accttataca actgaaaaga tgagtcgagt tcctggmggr tatttggctt 360
tgacagagtg ctttgaaatt atgasagtag atttcaacaa ycttcaggaa ttaaaaagtc 420
ttgcaactaa raarcctggt aaaattggta ttcctgttat taaagaaggc atattagatg 480

ctgttgtggt ttggtttgta ctccagcttg atgatgaaca tagtttatcc acaagtccta 540
atgaggaaac atgttgggaa caagctgtct accctgtaca tgaccttgca gactaccgga 600
taaaacgtgg ggaccngtga tgatggaatg tcttgtccaa gattgttact taagantcca 660
gaatn 665

<210> 120
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (614)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<400> 120
gagggctgcg ggaggcggga ggaaaaagtg gggccgggcc tgagttgggc tgacctgtga 60
aagtctggga aggtctgcga gagaagcgga gtgttttcag ctccggaagt ggcagttgta 120
aacttcacct cccgggggct cttccccttc tgtacccctt tgctgtttgt ccccctcctc 180
ccgggtcctg gagtccgtcg tgttccaaca gtttttgctc ttattcccgt gggctgctgg 240
gcctcctttc acccgtgaga cttggarcgg ccctggggtc ttgggtgtca agcacggatc 300
acgcgagacc cctgagacct caaatcatct aacgtgaagc cacagacatc ttggcaattt 360
taatcatcaa gaaagaaata tgtcattaag aaatagcagg gtattttgaa agaagttgga 420
aaacatcatg aatttgaata ctttaagtaa tactggtgat acccaaaggt tgaagattgc 480
ctcattggat gtaaaacaaa tacttaaaaa tgaaacagag ttggatatta ctggataatc 540
tcangaagaa actccattgg gctaaaaaag aaaagtntga aataccacca accccatgga 600
aancttgcaa gctntgaagn ca 622

<210> 121
<211> 889
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (830)
<223> n equals a,t,g, or c

<400> 121
ggctgaagcc atccccttgg ctgatcagcc acatctgttg cagccaaatg ctagaaagga 60
ggatcttttt ggccgtccaa gtcagggtct ttatttcttca tctgccagta gtgggaaatg 120
tttaatggag gttacagtgg atagaaactg cctagaggtt cttccaacaa aaatgtctta 180
tgctgccaat ctgaaaaatg taatgaacat gcaaaaccgg caaaaaaaag aaggggaaga 240
acagcccgtg ctgccagaag aaactgagag ttcaaaacca gggccatctg ctcatgatct 300
tgctgcacaa ttaaaaagta gcttactagc agaaatagga cttactgaaa gtgaagggcc 360
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gctgctagga cgttggcgcc tttctttaga actgttcggc agggtattca tggaagatgt 480
tggagcagaa cctggatcaa tcctaactga attgggtggt tttgaggtaa aagaatcaaa 540
attccgcaga gaaatggaaa aactgagaaa ccagcagtca agagatttgt cactagaggt 600
tgatcgggat cgagatcttc tcattcagca gactatgagg cagcttaaca atcactttgg 660
tcgaagatgt gctactacac caatggctgt acacagagta aaagtcacat ttaaggatga 720
gccaggarar ggcagtggtg tagcacgaag tttttataca gccattgcmc aagcatttct 780
atcaaatgaa aaattgccma atctagagtg tatcccnaaa aaaaaatttn ggccccccca 840
aaaacccaaa aaaaaggggc caacccccaa ccaccaaagg gttttttaa 889

<210> 122
<211> 132
<212> DNA
<213> Homo sapiens

<400> 122
cttgagcccc tgagttgtgg gggtagggtg aagagcatat cccacaagag gccccacagg 60
gagcagagac tgctttaatc cctgctgaca tcacggaaaa gcaacagagc cttttcaact 120
ttgtcactat gt 132

<210> 123
<211> 1900
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1879)
<223> n equals a,t,g, or c

<400> 123
gcggacgcnt gggaaacagc cgattggaga cgggagccaa ccagggctgc attggaggtt 60
gaaatcacaa agattagaca ccttttaga taggtgttct tcagcaccac tgacaacacg 120
gttctgacag tatttcatga caatggatgg tgacagttct acaacagatg cttctcaact 180
aggaatctct gcagactata ttggaggaag tcattatgtt atacagcctc atgatgatac 240
tgaggacagc atgaatgatc atgaagacac aaatggttca aaagaaagtt tcagagaaca 300
agatatatat cttccaatag caaacgtggc taggataatg aaaaatgcca tacctcaaac 360
gggaaagatt gcaaaagatg ccaaagaatg tgttcaagaa tgtgtaagtg agttcatcag 420
ttttataaca tctgaagcaa gtgaaaggtg ccatcaagag aaacggaaaa caatcaatgg 480
agaagatatt ctctttgcta tgtctacttt aggctttgac agttatgtgg aacctctgaa 540
attatacctt cagaaattca gagaggctat gaaaggagaa aagggaattg gtggagcagt 600
cacagctaca gatggactaa gtgaagagct tacagaggag gcatttacta accagttacc 660
agctggctta ataaccacag acggtcaaca acaaaatgtt atggtttaca caacatcata 720
tcaacagatt tctggtgttc agcaaattca gttttcatga tctgaagaaa tgatggaatg 780
gggagtgtag agaaatgaga gtctgtatga ttctggaaca gagacatcag aaggaaagac 840
tggtgaaaag atgtatcttt gtatattaat agctgtaatg tagcttcctg atgcttgact 900
aattgaggtg ttaattctga cttgagaatc tttttcatga atgattttaa agaaaaattt 960
ggattttaaa ggtattaaaa tatttttgtt ttgtacgaga gtttgttgct ctgtatgact 1020
cctgtatgca ttgtatattg caatttatta ctgtcagaga tttgtagaca gtttcttatt 1080
ttcatattga atcatgttac ttttgtaatt caagtaagcg gctgggttaa ttcatgatgt 1140
ttgccctttt aataaaatat aagggtagag ttcattttga atgcaagttg cctttattat 1200
aaatttgagt ttgtcttggt tataccttgc atgataacct agctagattt ctagcatttg 1260
ctgtatttat taaaattatt atttttttgg taaaacatta atagtttaag cagcatcatt 1320
tttttaaaaa atgtaattga ataagtgtga atgcagaagc aaatattgtc tgccctgtta 1380
aacttggtgc ccattaacag tgtttacact gttcatcgtg cctgttaatg tagttttagt 1440
taytggagct tttttaagac tagatttggt tttgagttac atttttaaga atgtgggaat 1500
atatttaagt ttaatgtagt cctagtgctc ttgaaatggt gcccctttca tttggtacat 1560
gatttttttt caaatcatat cttcaagtac tatagtattc tcttacagaa gaggagtttt 1620
atagtctgat ggtaaatgtc ttcatttttac ctttttaatt gaaatgtcaa gtttcctgtt 1680
acactatgga aaccaagaaa catcagacat cattgcgtgt acagaccttt tgcatgggtg 1740
agtggatgaa atggagaaca gagtgagtgc tgtgaacggt gtgaaataga agccaacttc 1800
tagtatgctg tcttcatctc tgcaataaac taaacgtaaa taawrwaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaaaaaana aaaaaaaaaa aaaaaaaaaa 1900

<210> 124
<211> 1250
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (874)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1169)
<223> n equals a,t,g, or c

<400> 124
ggcacgagga ggaaactaac gattccctgc ccacccccac acccagcacc accaacaggt 60
gggcaagctt gccgagaaaa cgcagagggc atcctgtgag cagcaaacac atctgagcct 120
ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180
ccagcctcca atccgacccc catttcggct gcagcctcgg acctagctcc ggccctcggt 240
ctatccggtt gcatcctccc tccctgttcc ggatcttatc ttgcgccagc gcctactcca 300
ggatcccgta gccagacctc aagccatggc tggtcccttc tcccgtctgc tgtccgcccg 360
cccgggactc aggctcctgg ctttggccgg agcggggtct ctagccgctg ggtttctgct 420
ccgaccggaa cctgtacgag ctgccagtga acgacggagg ctgtatcccc cgagcgctga 480
gtacccagac ctccgaaagc acaacaactg catggccagt cacctgaccc cagcagtcta 540
tgcacggctc tgcgacaaga ccacacccac tggttggacg ctagatcagt gtatccagac 600
tggcgtggac aaccctggcc acccccttcat caagactgtg ggcatggtgg ctggagatga 660
ggagacctat gaggtatttg ctgacctgtt tgaccctgtg atccaagagc gacacaatgg 720
atatgacccc cggacaatga agcacaccac ggatctagat gccagtaaaa tccgttctgg 780
ctactttgat gagaggtatg tattgtcctc tagagtcaga actggccgaa gcatccgagg 840
actcagtctg cctccagctt gcactcgagc agancgacga gaggtggaac gtgttgtggt 900
ggatgcactg agtggcctga agggtgacct ggctggacgt tactataggc tcagtgagat 960
gacagaggct gaacagcagc agcttattga tgaccacttt ctgtttgata agcctgtgtc 1020
cccgttgctg actgcagcag gaatggctcg agactggcca gatgctcgtg gaatttggca 1080
caacaatgag aagagcttcc tgatctgggt gaatgaggag gatcatacac gggtgatctc 1140
catggagaag ggtggtaaca tgaagagant gtttgaaaga tctgccgagg cctcaaagag 1200
gtrgagagac tatgtagggg actaggtggg aggacataag gaaaaccaaa 1250

<210> 125
<211> 1189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1041)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1144)
<223> n equals a,t,g, or c

<400> 125
ctttttttaa ccctttaggt atctgatcgc tttgccaatt ttgcgttact gggcaggcta 60
agagatcttc ttttaattca gcctgcttaa gacgggaact gataactgta gtgtatcctc 120
tgccttttt cttatctatt ggaggaagct cagatggtgt cacaagaagg atctgaagtg 180
gagctttctag tatccccagg agcgcgaagt gaacacggaa ggtacctgca ggatccaatt 240
gtgtccattg atctctcaga gtggctgagg ataatagagt ttcttcttca aggtctcaag 300
gtctgaagca tcccacagaa tgatcctact gaataactcc cataagctgc tggcctata 360

caaatccttg gccaggagca tccctgagtc cctgaaggtg tatggctctg tgtatcacat 420
caatcacggg aacccccttca acatggaggt gctggtggat tcctggcctg aatatcagat 480
ggttattatc cggcctcaaa agcaggagat gactgatgac atggattcat acacaaacgt 540
atatcgtatg ttctccaaag agcctcaaaa atcagaagaa gttttgaaaa attgtgagat 600
cgtaaactgg aaacagagac tccaaatcca aggtcttcaa gaaagtttag gtgaggggat 660
aagagtggct acattttcaa agtcagtgaa agtagagcat tcgagagcac tcctcttggt 720
tacggaagat attctgaagc tcaatgcctc cagtaaaagc aagcttggaa gctgggctga 780
gacaggccac ccagatgatg aatttgaaag tgaaactccc aactttaagt atgcccagct 840
ggatgtctct tattctgggc tggtaaatga caactggaag cgagggaaga atgagaggag 900
cctgcattac atcaagcgct gcatagaaga cctgccagca gcctgtatgc tcggcccaga 960
ggagatcccg gtctcatggg taaccatggg acccttcttg tgaagtagga atggcctaca 1020
gcatggaaaa ataccgaaga ncaggcaaca tgggcacgag tgatggtgcg atacatggaa 1080
atatctgcgt cagaaggaat atttccattt ttacatctct gtgttgggaa ggaaantgaa 1140
ggantccccg cagatttgtg gggggcagtt ttggtttctt ttgaggcct 1189

<210> 126
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 126
gaggtcctga gagactgtra gagccccaac tccattagta ttatgggcct caatacttcc 60
cgggttgcaa ttaccctgaa gccccaagac cctatggaac agaacgtagc tgagctgttg 120
cagttcctgc tggtgaagga tcagagcaag taccctatcc gggagtctga aatgcgggaa 180
tatattgtta aagaatatcg caaccagttt cctgagatac tcaggcgagc agcagcccac 240
ctggagtgca tttttaggtt tgaattgaga gaacttgacc ctgaggcaca cacctacatt 300
ctgttaaaca aactgggacc tgtgcccttt gaagggttag aagagagccc aaatgggcca 360
aagatgggcc tcctgatgat gattctangc caaatattcc tgaatggcaa ccaagccaag 420
gaggctga 428

<210> 127
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 127
acgcggtcgg ccgggagccg gggaggagcg tggacgccgg cctggcaggt acccccgcga 60
gaacgtggga gccggtgtat ttcagctgca tttattactg atctcgggct gcaccagggc 120
acttgtagga ccgcactaaa aacagccgaa agtgaggagc caagcctggg tccggggcgg 180
cccgccgtac agctggcctc acggattcca ctgcctgcgc ctgcagatga cttgttctgg 240
agagtagaga atgtnctcgg atttaaagta caatccggtt tcctttccat tcattatagt 300

tgcctacact caacaaacaa aagttgggaa agataaaggg attattctag cgcgtcacat 360
tgacaaacac cgacgttaac acgctcagtc cagcctgact cacttgcctc aggtcagaga 420
ggtcaccact gacgacgccg ggccctcaag ccgatcctaa tccagcttgg ttctctcagc 480
ctcagccaga ccatccgttc ttgcctctgt cccaccacgt gcaggtgtaa gyttccgccg 540
cacttcttgt ctgaatctgc caaggaagga aactggcatc tttcagctta aattcttttt 600
cacttgatca ggggtaggag tttaggcggt ttttttttt aagga 645

<210> 128
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<400> 128
ctggagtctc aacgacgcgc acacgagaag taaggagcgg aaggtgggaa agggccggaa 60
aacacacgtt cctccgaaac cggtttgcaa gtccttgtag agagtgatag attcgtgtgg 120
cctttcaaat gattgtgaag tggtggaaat ggatccaaaa taataagtga cttctctacc 180
aaagcataga agattcttca tatctccttc cagtggctca atttagattt tgggaargag 240
cagaacaagt gaaacacaga aaactgaaga gaagaaatcc tcattttgga cctatatttc 300
tccttgacta tttcttaata tccatcctac ccatcgttct aatgttttaa ctttgctctg 360
aatttataaa tagtaaaggc caaagacata gaatatacat ttagtagctt tataccaaga 420
aatttgcctt gaaagctgct gtscgtggag gggaaagtgt agcaaattcc tggcnatttg 480
naatttaan ttattg 496

<210> 129
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<400> 129
ctggcggccg caggagcgcg tgcggcgtgg actttgccgg gctcgccaca cagccccaga 60
cccgtttagg accgggagac cgaacgcagc gwccagccgg ggagtttcgg cggcgttctc 120

cgggcaccgc gcgcggaagc cagacgcagc gggggacac atctcgcggt ggcgttgcca 180
gagtgaggag ttagcaggca ggacttgacg aggctctttg gtttttctag tcctcaacca 240
ctgaagaaga agcttgatgc ttggctgtca gaagacatga attacgcacg gttcatcacg 300
gcagcgagcg cancagaaac ccttctccca tccggaccat gactgacata ttgagcagag 360
gaccaaaatc gatgatctcc ttggctggtg gcttaccaaa tccaaacatg tttcctttta 420
agac 424

<210> 130
<211> 1709
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (881)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1028)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1061)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1168)
<223> n equals a,t,g, or c

<400> 130
tggaccgcag cttcctggaa gacacaaccc ccgccaggga cgagaagaag gtgggggcca 60
aggctgccca gcaggacagc sacagtsatg gggaggccct gggcggcaas ccgatggtgg 120
carggttcca ggacgatgtg gacctcgaag accagccacg tgggagtccc ccgctgcctg 180
caggccccgt ccccagtcaa gacatcactc tttcgagtga ggaggaagca gaagtggcag 240
ctcccacaaa aggccctgcc ccagctcccc agcagtgctc agagccagag accaagtggt 300
cctccatacc agcttcgaag ccacggaggg ggacagctcc cacgaggacc gcagcacccc 360
cctggccagg cggtgtctct gttcgcacag gtccggagaa gcgcagcagc accaggcccc 420
ctgctgagat ggagccgggg aagggtgagc aggcctcctc gtcggagagt gaccccgagg 480
gacccattgc tgcacaaatg ctgtccttcg tcatggatga ccccgacttt gagagcgagg 540
gatcagacac acagcgcagg gcggatgact ttcccgtgcg agatgacccc tccgatgtga 600
ctgacgagga tgagggccct gccgagccgc ccccacccca caagctccct ctcccgcct 660
tcagactgaa gaatgactcg gacctcttcg ggctggggct ggaggaggcc ggacccaagg 720
agagcagtga ggaaggtaag gagggcaaaa ccccctctaa ggagaagaag aagaagaaga 780
aaaaaggcaa agaggaagaa gaaaaagctg ccaagaagaa gagcaaacac aagaagagca 840
aggacaagga ggagggcaag gaggagcggc gacggcggca ncagcggccc ccgcgcagca 900
gggagaggac ggctgccgat gagctggagg ctttcctggg gggcggggcc cgggcggccg 960
ccaccctggg ggtggcgact acgaggagct ctaggccggc gtgggcagtg gccgccctgg 1020
ggcggggngc gtgcctgtca ctgcctgggg aggcatttgc ntctgtacca tcgcctttgc 1080

cgctgccccg tggctgccgt gtgcgcttct gagctggaag aggccgggca ttggtggtcc 1140
ccaggctggg ccctgcaggt gctgggcntt cagccyagtg tgagcctgct ctgcaagaag 1200
ggaggggaca gctggcttca gccaggctcg gtggacaccc tggccctctc ggggcagagc 1260
cgccagtgtt tctcagggat gtgactgagg cccaggaggg acctgtgagg gtctgtttac 1320
agaggctggg caggggccgc ttggctgtgg ggtgtgcgct gccccggcac ctgcttgccc 1380
tccgcgctca tctggggccg cagcatgcct atggttccgc ttccggccgg gagccctgaa 1440
cacgggtgtg cagactcacc ctaaagggcg gcccaggccc cacgctagaa ggctggcgag 1500
accgaagcag catgtgaggc ctctcctggg agtgggggtt gtgtttccca cagtggcctc 1560
agctgcgccc ccgctcaggt gagcccgaag gcaggagccg ggaggcactc ctcccaaaca 1620
ctccactcag accataaagc actcctgttt cactctgaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaagggcg ccgctcgcga tctagaacc 1709

<210> 131
<211> 866
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (723)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (740)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (793)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (813)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (841)
<223> n equals a,t,g, or c

<400> 131
ctcgctcgga ttggttcagt gcactctaga aacactgctg tggtggagaa actggacccc 60
aggtctggag cgaattccag cctgcagggc tgataagcga ggcattagtg agattgagag 120
agactttacc ccgccgtggt ggttggaggg cgcgcagtag agcagcagca caggcgcggg 180

tcccgggagg ccggctctgc tcgcgccgag atgtggaatc tccttcacga aaccgactcg 240
gctgtggcca ccgcgcgccg cccgcgctgg ctgtgcgctg gggcgctggt gctggcgggt 300
ggcttctttc tcctcggctt cctcttcggg tggttttataa aatcctccaa tgaagctact 360
aacattactc caaagcataa tatgaaagca tttttggatg aattgaaagc tgagaacatc 420
aagaagttct tatataattt tacacagata ccacatttag caggaacaga acaaaacttt 480
cagcttgcaa agcaaattca atcccagtgg aaagaatttg gcctggattc tgttgagcta 540
gcacattatg atgtcctgtt gtcctaccca aataagactc atcccaacta catctcaata 600
attaatgaag atggaaatga gattttcaac acatcattat ttgaaccacc tyctycagga 660
tatgaaaatg gttcggatat tgnaccacct ttcagtgctt tctctcctca aggaatgcca 720
ganggcgatc tagtgtatgn taactagcac gaactgaaga cttctttaaa ttggracggg 780
acatgaaaat canttgctct ggggaaaatt gtnattgcca agatatggga aagttttcaa 840
naggaaataa gggttaaaaa tgccca 866

<210> 132
<211> 1593
<212> DNA
<213> Homo sapiens

<400> 132
gttgtagtga gctgagatca tgccactgca ctccaacctg ggtgacagag cgagactcca 60
tctcaaaaat aaataaataa ataaataaat aaaaccttaa tttgatggtg gttttatgtc 120
tgccatttcc atttagattc aaagaatcct aagaataatg gtggagcaaa gcttattttt 180
ctgtttttttg aatcttgtaa ggcatggtgc caaacccaat gaaatggtgc caaaaagtcc 240
tgcagctgga actagagcta gagtctaagg gttctgatcc ttagctccaa ggccttctca 300
taaatccttt gacactttca ccctccaaca cagtcagtca gtctctgttt ttctggttgg 360
gtttctatat aaaactttcc attttgagta atgatctttc cctcttgcct tttcttctac 420
atattccaat aaagacctttt tttgtcttca actcctgtca cttggattcc aggacttctt 480
ccatccctca tgtttgtttcc ttactttgcc agcctcggcc atttctgtat ccccctgcct 540
gggkttgctg ccctttatgc tcctamctca ccaggtacaa ggaacatgaa gatggctata 600
tgcggctgca gctggttcgc tamgagagtg tagagctgac acagcaactg ctgcggcaac 660
cacaagaggg atcgggctgg gaacgtcgct gaacgagagc agcctgcarg gsattattct 720
agaaacagtg ccaggggagc caggacgtaa ggaagaggaa gaggagggca agggtagcga 780
agggacagcc ctctcagcct ctcaggacaa ccccagttct gtcatccacg tggtgaatca 840
gaccaatgcc caaggccagc aararattgt ytactatgtg ctgtctgaag ccccagggag 900
ccttcccca gcccctgagc caccttcagg gggcatcatg gaaaagcttc aaggaatagc 960
tgaggagcca gagatccaga tggtttgaag gccgcagagc cagaccattt cttccccagg 1020
tcctgaagtt tgagccaggc aagtggcagt gcccctagtg ggcagccgtt gccaatggat 1080
gcctttagga gtggtgccga gagcagtgtg gtccactctg gcctgggttt gcatcattct 1140
gcagactcta aagacttccc ttttctgcca gactacattt tgtggggagc ctgaggactc 1200
tggattcttt gaggggatcc tggatgtgtg tgttcttgtt aaagaggctg ttatcaggct 1260
taacyataac cctcaagatc tgcttgacag tgattaaatc cttagctcac atccattccc 1320
atctttcggg ctccttaggc ccaaggatgg catgtgactg gtccctgcaa gggtccttc 1380
tttgtcacca gccaaggcat tgataaccaa gtagccattt tcctcttaag gtttcctcta 1440
caaccccaag gactttcatg attatcctca gggacaggat tggaggcatt gagcgtgttt 1500
attaacaaat tgtttttggt aataaaataa atgcttggaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaactcg tag 1593

<210> 133
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 133
tccttctgac gtcaatgtga tggcggaatc gctgaaggat atggaagcag atgcgcagaa 60
actgtaccag ttaatctggc gtcagttcgt tgcctgccag atgaccccag cgaaatatga 120
ctccacgacg ctgaccgttg gtscgggcga tttccgcctg aaagcacgcg gtcgtatttt 180
gcgttttgay ggctggacaa aagtgatgcc tgcgttgcgt aaaggcgatg aagatcgcat 240
cttaccagca gttaataaag gcgatgctct gacgctcgtt gaacttacac cagcccagca 300
ctttaccaag ccgccagccc gtttcagtga agcatcgctg gttaaagagc tggaaaaacg 360
cggtatcggt cgtccgtcta nctatgcgtc gatcatttcg accattca 408

<210> 134
<211> 2741
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1673)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2736)
<223> n equals a,t,g, or c

<400> 134
cggcgttaag acttcgtagg gttagcgaaa ttgaggtttc ttggtattgc gcgtttctct 60
tccttgctga cyctccgaat ggccatggac tcgtcgcttc aggcccgcct gtttcccggt 120
ctcgctatca agatccaacg cagtaatggt ttaattcaca gtgccaatgt aaggactgtg 180
aacttggaga aatcctgtgt ttcagtggaa tgggcagaag gaggtgccac aaagggcaaa 240
gagattgatt ttgatgatgt ggctgcaata aacccagaac tcttacagct tcttcctta 300
catccgaaga caatctgccc ttgcaggaaa atgtaacaat ccagaaacaa aaacggagat 360
ccgtcaactc caaaattcct gctccaaaag aaagtcttcg aagccgctcc actcgcatgt 420
ccactgtctc agagcttcgc atcacggctc aggagaatga catggaggtg gagctgcctg 480
cagykgcaaa ctcccgcaag crgttttcag tcctcttcg gaggaaatca tgtcttgtga 540
aggaagtgga aaaaatgaag gaacaagcga gaagagaaga aggcccagaa ytctgaawtg 600
agaatgaaga gagctcaggw gtatgacagt agttttccaa actggaatt tgcccgaatg 660
attaaagaat ttcgggctac tttggaatgt catccactta ctatgactga tcctatcgaa 720
gagcacagaa tatgtgtctg tgttaggaaa cgcccactga ataagcaaga attggccaag 780
aaagaaattg atgtgatttc cattcctagc aagtgtctcc tcttggtaca tgaacccaag 840
ttgaaagtgg acttaacaaa gtatctggag aaccaagcat tctgctttga ctttgcattt 900
gatgaaacag cttcgaatga agttgtctac aggttcacag caaggccact ggtacagaca 960
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<210> 135
<211> 686
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<213> Homo sapiens

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 135
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ttggttggcc agttcgtccc aatttccgac tcacaggctg cggagcagca actctcacga 180
tatttgctcg acccgcaggc gtatccgctg ccgggttctg gcgcgcctt tcagttctgc 240
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ccagtgtgat tattccgaac ttttctgtct taaaaaaaat gtacgctctt gattcttact 600
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ggcgacaaca gtttgcaatc tttgta 686

<210> 136
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 136
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gtgaaattag accaggggtc agaacataga ttttagtctc ctttagttca tctactagga 120
gactaaatta gataatcttct aaactccctt ttagttctaa aatttctgtaa ttaaactcta 180
gcatatcatc attttagact aaaagttttc ttcttcttct tctttttttnt tttggttttt 240
tn 242

<210> 137
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 137
caggaagagc ccaactgggt atcagaataa gccacatgca ccttctgaaa ctgcccaaat 60
ccacacctgc ataagaattt gagcccagtt cataaagcag atcatgaagc aattatcttc 120
ctggaagggt ttttagcttg ctctccagtt gcctcagcag ctttggctct gtgccacagt 180

gagcccaagg ggaaggtgat ggaacagcat cacatctgca ggctcagtgt tttgtttggt 240
gagggtaagg ggagggaatg tagacggatg aagaaatttc tccctactgc ttccattttg 300
atatttcttt aacttcacat ttcatcctca ttcctagcag ttgcctagtt atagaggatt 360
tcttttawct ttttttcaga ggcatgccag gtggaagtga ggtgcttgst ggsctacaac 420
tccagtgctc gcaattccaa aatgnccctt ggatggaggg ttggtgagaa tgtcaccaca 480
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tgccc 545

<210> 138
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<400> 138
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tggaggagga gagggagtta gccagaccag ggtggagatg agggtattct gagcagcagg 180
acctgcaggg gcacaaggca agggccgcat cctagaggag acccagtggc caggcacatc 240
atgggaactg caggctggcc ccaagcctct gccccgctcc tcccttgcag gcagggcctc 300
ctggagcctt gtgctcatcc tgggctcttg aggncccagc cctgcacaga gagcgcagac 360
gtgccttgcc ttncaacccg tccgctctgt cctctt 396

<210> 139
<211> 2771
<212> DNA
<213> Homo sapiens

<400> 139
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aggtaaattc ttgggaccta gagaagaagt aacgagtgag ccacgctgta aaaaattgaa 180
gtcaaccaca gagtcgtatg tttttcacaa tcatagtaat gctgattttc acagaatcca 240
agagaaaact ggaaatgatt gggtccctgt gaccatcatt gatgtcagag gacatagtta 300
tttgcaggag aacaaaatca aaactacaga tttgcatagg cctttgcatg atgagatgcc 360
tggtaataga ccagatgtta ttgaatccat tgattcacag gttttacagg aagcacgtcc 420
tccattagta tccgcagacg atgagatata tagcacaagt aaagcattta taggacccat 480
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tggtataaat gacagaggag gacaaaaaga gaaacagaaa tttaactctg aaaaatcaga 600
gattgacaat gaattattcc agtttttacaa agaaattgaa gagcttgaaa aggaaaaaga 660
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aaaaaaaaaa a 2771

<210> 140
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 140
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tgaaataagg gtgataataa aggtcccggg cttgctcact catggtcaca gtaaaatttt 120
tatgcaagta tataccacct tacataaacc tcactttaga tatcctcaag tgattgcaca 180
tcaagatctt gcaaattgaa aaatacatta agtatgccat ggggttgact ttttatcaga 240
attcacacat gatttctttc ataagttcag gatcttttag ggtgcccata gccttgccta 300
tatttacgta ttttataaac ctacatttng gkatawgaag tcttttcytt ttttttgag 360
acgagtatcg ctctgtcgcc caggctggag tncagtggca ggatcttggc ccactgcaag 420
cn 422

<210> 141
<211> 1630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1566)
<223> n equals a,t,g, or c

<400> 141
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tgggggccgg agacagactt cgcccaggtg acgggtagta ggggcggcgc gcttggcctc 120
gtgggggtgta agacccactt gctgttgccc ccggaccttg ccgccacacc agccctgtcc 180
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gcggtcactg tgcgtggctc acttttagag tttacttcaa ccacgtggag cttccatggc 300
ggcctctcag gtcctggggg agaagattaa catcctgtcg ggagagactg tcaaagctgg 360
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atgggggaat ttaaaaacca ttcttgtatc agaaggtgaa ttaggcgcat ggtctttgtt 1560

ttattnaata aatttccact agagggtgtt ctcaggtcac tttgcagtgg aagtgggact 1620
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<210> 142
<211> 264
<212> DNA
<213> Homo sapiens

<400> 142
accaggatgt ctctgaaatg gacgtcakct ttctgctgat acagctcagt tgttacttta 60
gctctggaag ctgtggaaag gtgctagtgt ggcccacaga atacagccat tggataaata 120
tgaagacaat cctggaagag cttgttcaga ggggtcatga ggtgactgtg gtwracatcy 180
tcggcttcta ctcytgtcaa tgccagtaaa tcatctgcta ttaaattaga agtttatcct 240
acatctttga actaaaaatt attt 264

<210> 143
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<400> 143
antccaccng gtggaggccg ctctagaact agtggatccc ccgggctgca ggtgcgggca 60
attcgtctgg cgctggaagg ggttgatgtc aaactggaac aggccgcaag aacactgggg 120
gccgggcgct ggcgcgtttt ctttactatc acgttaccgc tgaccttacc gggaattatt 180
gttggtacgg tactggcttt tgctcgttct ctcggtgagt ttggtgcaca tcacctttgt 240
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taccgtactt caatccataa agttgcgtta agccgcacgg ttcaaaacgg ctgggcacca 540
gaatgacgtc cgcgccgccc ataatgcgat gcgaawatgc tcgtgatagc caatctgaac 600
gcccacctga ccggggtatt tccgtgccgc cgcaag 636

<210> 144
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 144
ccgccctcgg cgtcctctgt agcgggcgac ctaggccgcg ggacccggac ggaggtagag 60
gccagggcag cgcgtccggg agcggagtcc gcgcccgccg ccgccatgcc ggacagctgg 120
gacaaggatg tgtaccctga gcccccgcgc cgcacgccgg tgcagcccaa tcccatcgtc 180
tacatgatga aagcgttcga cctcatcgtg gaccgacccg tgaccctcgt gagagaattt 240
atagagcggc agcacgcaaa gaacaggtat tactactacc accggcagta ccgccgcgtg 300
ccagacatca ctgagtgcaa ggaggaggac atcatgtgca tcaaaktcga ccaagaaatt 360
atcacattat gcaggatcgg ytcaaagcyt ktcagcagag ggaaggacag actaccagca 420
gactgtatca aggaaktgga gcagttaccc aggtggccaa ggctaccagg gaccgntatc 480
aggacctgng ggcctacatg 500

<210> 145
<211> 1945
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1934)
<223> n equals a,t,g, or c

<400> 145
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aaaagagcag cattgctggc tctgttattt agctgtgtgt tcttgaaaaa gtcacttctc 120
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caggtcctct ttgggttcgc tgtacacccg gagcccgagg cttgcggcga ccacgagcaa 480
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gtaaatagtc gttttgtggt cactgggagc aaagatgaaa caattcacat ttatgacatg 600
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ttactgcggt ccgncaaggg aattc 1945

<210> 146
<211> 1114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1006)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1034)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1055)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1084)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1108)
<223> n equals a,t,g, or c

<400> 146
agagtgcgct gcgtttcgat gagccgggac gtggcgccrc tctagccagc gcctgggctc 60
tgtggcgggc gccgcagctc cgcgtccccc gcgcctcctc ccagcgcaga cttcaagggc 120
taccactgga cccttcccct gtcttgaacc ctgagccggc accatgcacg gacgcctgaa 180
ggtgaagacg tcagaagagc aggcggaggc caaaaggcta gagcgagagc agaagctgaa 240
gctataccag tcagccaccc aggccgtatt ccagaagcgc caggctggtg agctggatga 300
gtccgtgctg gaactgacaa gccagatttct gggagccaac cctgattttg ccaccctctg 360
gaactgccga cgagaggtgc tccagcagct ggagactcag aagtctcctg aagagttggc 420
tgctctggtg aaggcagaac tgggcttcct ggagagctgc ctgcgggtga accccaagtc 480
ttatggtacc tggcaccacc gatgctggct gctaggcsgc ctgcctgagc ccaactggac 540
ccgagagctg gagctctgtg cccgtttcct ggaggtggat gagcggaact ttcactgctg 600
ggactatcgg cggtttgtgg ccacacaggc agccgtgccc cctgcagaag arctagcctt 660
cactgacagc ctcatcaccc gaaacttctc caactactct tcctggcatt accgctcctg 720
tctcttgccc cagctgcacc cccagccgga ttctggacca cagggggcgc tccctgagga 780
tgtgctgctc aaagagctgg agctggtgca gaatgcttct tcactgaccc caatgaccag 840
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tgcctgcatg tgagccggga csaggcctgt ctgactgtct ccttctctcg gsccctctta 960
rtgggctyca ggatkgagat cttgctgctc atgggtgatg aatctncccc tgattgtgga 1020
atggaggacc ccanatggca ggaacccggg ccaanctgtc tggtattcca agatggtggg 1080
gcanaaattg ggctggggca aggctggntg gaaa 1114

<210> 147
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 147
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tgccgctccc gccttcgcag ccagcgcggg cttacctagt gttaagtctc tcttcttggg 120
tggcccacgc ctaagcgacc tatgcttctt gttcttctga aatcttacag ttcccccttag 180
atgtaggttg gctattggta gcttccgatt cagataagtt tggaacttga cagatgtttt 240
cgggggggctg ctttagagag aggctttgga ctatgcaagg ggaggaagga ggttcagaaa 300
aacggggtcg gggggtcggc aggacgactc ttraartgtg gaaggtggaa gctgggaggg 360
gagataaagg gcaccraaga ccagcttgtt tgctcctatc aaggtgatcc tttccagagc 420
aagagccata tgnatgtcta gtcgcacgag tttgtgccaa gtcctttgca aaaaccttca 480

gatgtnggat ctcatgtaat cttgaagaca tcttagtcgt cctaagggtt aattatttaa 540
ttgatg 546

<210> 148
<211> 1763
<212> DNA
<213> Homo sapiens

<400> 148
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ccgcgcactt cccgccctcc caccttcctt tcgcccttcc accakacctc cctcgacgcc 120
cgacagctgc tctgggtact gtttccgggt cagggtgacc tctggggtga ggaaactgcg 180
actgggagcg ggacccaggc gtgcagcatt cgccatgctc cgctcacgcg tgggagactg 240
ggctgtgggg taccggcccg gaaagcacgc agcctccaaa gccgcttcc tcagggaaat 300
ttgcgtgacc ttactgccct ccgtctacag gccttgtacc tctccaggcc gatttttcca 360
caatttaaat cccagttcac ctggtatcca gctccagcaa cttagagcgt ttcacgtcac 420
gccgggcgcc aggcgtcggc ttgtataacc tgaaaacgct cctgtttttc tcatctgtgc 480
agtgggtttt gattcccacc atggccatca cccagtttcg gttatttaaa ttttgtacct 540
gcctagcaac agtattctca ttcctaaaga gattaatatg cagatctggc agaggacgga 600
aattaagtgg agaccaaata actttgccaa ctacagttga ttattcatca gttcctaagc 660
agacagatgt tgaagagtgg acttcctggg atgaagatgc acccaccagt gtaaagatcg 720
aaggagggaa tgggaatgtg gcaacacaac aaaattcttt ggaacaactg gaacctgact 780
attttaagga catgacacca actattagga aaactcagaa aattgttatt aagaagagag 840
aaccattgaa ttttggcatc ccagatggga gcacaggttt ctctagtaga ttagcagcta 900
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gacagcagaa actagcagac agagaaaaga gagcagccga acaacaaagg aagaaaatgg 1080
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aacacatgtt caaattttat catgccagta ggagaaatct cagctccaca acccaagcaa 1200
catttgtatg gatttaagag tattttaaga agacatactg cttgatttta atacattgat 1260
caggccatcc aggacaccac gattctccca aagtaccttg aactcttagt gattgagact 1320
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tctagctaaa taaatgggtg tatataattt tatggtggaa aagaactgta ctgtctgtta 1500
tgatttcctt caatgtgcat aatgataaaa taaataattt taatattctt ttgtttccat 1560
ggttacctga cctaaattag ataaattgta gggctttagc tttcttattt ttgtcaaaag 1620
ttggtgttga catacattcc ctctaatttg aactggtatt gtttacgttt gatacaacat 1680
taaggaattt gatgattttc atttcatgaa aatgacatta aatgcaataa ttttacttat 1740
cataaaaaaa aaaaaaaaaa aaa 1763

<210> 149
<211> 371
<212> DNA
<213> Homo sapiens

<400> 149
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ctgacagctg tgtccgtatc aagcatcagt ctctcaaaca gttgccccag cctgacagtg 120
ctagtctctg tttaatggta aaaggagact ttgccataat tttcagatga agatgtttcc 180
caaacactgt ttacagaatg agatgtgact ctacagatac ctcatagaag acaatccaag 240
atcatacttc attaacttga cagagtacgt gtcttaaagg aagcatcagg aattccaata 300

tttgcmttta aaatactttt twagggcctt ttatattagg ccatgcttgg aaaactggat 360
ttttttttatt a 371

<210> 150
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 150
atnttcagga atcctcacgc aacccggaag aagcgcaagg gctggaccgc taaacctgag 60
ggcgcccggc ctgcgcacgg gaacctggac tggaacccta cttgcaggtc cccaacttgc 120
gtctctyctc tctgtctcta ccccagccaa ggacaaagac ttctcctccg gaaggcctcc 180
cccagctgag ggaacgttcc aggtcytccc tcggccctgg ctgcgcgccc ggtgccggct 240
ctgacgtggt ttcctctccc ctcaggactg gtcctgctcg ctcctcgtgg cctccctcgc 300
gggcgccttc ggytcctcct tcctctacgg ctacaacctg tcggtggtga atgcccccam 360
cccggaagga caatttgnt gggccaataa atggggtttt gaaatttntt gttggatttg 420
ntgaatgggc tt 432

<210> 151
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 151
gaaagcaaag ttcaacatca ctggtgcctg cttgaatgac tcagatgacg actcaccaga 60
cttggacctt gatggaaatg agagcscatt ggccctattg atgtctaacg gcagwacgaa 120

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aagggtgaag agtttatcca aatctcggcg aaccaagata gcaaagaagg tagacaaggc 180
taggctgatg gcagaacagg tgatggaaga cgartttgac ttggrttcag atgntgagct 240
gcagattgac gagagattgg ggaaagagaa ggcgaccctg ataataagac caaaatttcc 300
ccggaaattg ccccgtgcga accttgctct gaccccaacc gagttcgtga accaggagaa 360
gttgagtttg acattgagga ggatatacaa cagatgaggg t                     401

<210> 152
<211> 851
<212> DNA
<213> Homo sapiens

<400> 152
tctccggata actgtgctcc tgacatcctt ccttatggtt ttgggaactg gtctaagatg 60
catacctata tcagacttaa tccttaaaag aagattaatt catggaggac agatgttaaa 120
tggattggca ggtccaactg taatgaatgc agcaccattt ctctctacga cgtggttttc 180
tgcagatgaa agggccacag ccacagctat tgcatcaatg ctcagttatc tttgggggagc 240
atgtgcattt ttagttggac cacttgttgt tccagctccc aatgggacat cacctcttct 300
tgctgcagag agcagcaggg cgcatattaa agatcgcata gaggctgtgt tatatgcaga 360
atttggagtt gtctgcttaa tattttctgc aacactagct tatttcccac cccgacctcc 420
tcttcctccc agtgttgctg cagctagcca gcgtgagtta tcggagaagc gtttgtagat 480
tattaagcaa ttttcgattt ttgatgattg ctttagcata tgccatacca cttggtgtat 540
ttgctggctg gtctggagtt ctggacttaa ttttaacacc agcgcatgtc agccaagtag 600
atgctggctg gattggattt tggtccatag ttggaggctg tgttgttgga atagctatgg 660
caaggtttgc agattttatc aggggtatgc tgaaactaat tcttctcctc ctgttttcgg 720
gagctacact gtcatccacg tggttcaccc tgamctgttt gaacagcatc acacacctac 780
ctttaaccac agtgacattg tatgcctcct gtattctcct gggagtgttc ttgaatagca 840
gcgtgcctat a                                                     851

<210> 153
<211> 1678
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1663)
<223> n equals a,t,g, or c

<400> 153
ctcgtgccgc acagctctgg gtgtgggagg gggttgtcca gcctccagca gcatggggag 60
ggccttggtc agcatctagg tgccaacagg gcaagggcgg ggtcctggag aatgaaggct 120
ttatagggct cctcagggag gccccccagc cccaaactca ccacctggcc gtggacacct 180
gtgtcagcat gtgggacctg gttctctcca tcgcctttgtc tgtggggtgc actggtgccg 240
tgcccctcat ccagtctcgg attgtgggag gctgggagtg tgagaagcat tcccaaccct 300
ggcaggtggc tgtgtacagt catggatggg cacactgtgg gggtgtcctg gtgcaccccc 360
agtgggtgct cacagctgcc cattgcctaa agaagaatag ccaggtctgg ctgggtccgc 420
acaacctgtt tgagcctgaa gacacaggcc agagggtccc tgtcagccac agcttcccac 480
acccgctcta caatatgagc cttctgaagc atcaaagcct tagaccagat gaagactcca 540
gccatgacct catgctgctg cgcctgtcag agcctgccaa gatcacagat gttgtgaagg 600
tcctgggcct gccacccagg agccagcact ggggaccacc tgctacgcct caggctgggg 660
cagcatcgaa ccagaggagt tcttgcgccc caggagtcct cagtgtgtga gcctccatct 720
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cctgtccaat gacatgtgtg ctagagctta ctctgagaag gtgacagagt tcatgttgtg 780
tgctgggctc tggacaggtg gtaaagacac ttgtgggggt gattctgggg gtccacttgt 840
ctgtaatggt gtgcttcaag gtatcacatc atggggccct gagccatgtg ccctgcctga 900
aaagcctgct gtgtacacca aggtggtgca ttaccggaag tggatcaagg acaccatcgc 960
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gttctggcat cacttggcct ttctggatgc tggacacctg aagcttggaa ctcacctggc 1080
cgaagctcga gcctcctgag tcctactgac ctgtgctttc tggtgtggag tccagggctg 1140
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cgtcctctcc ttcggaacac tggctgtctc tgaagacttc tcgctcagtt tcagtgagga 1260
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cccaccctgg aagagtggac agtgacacaa ggtggacact ctctacagat cactgaggat 1380
aagctggagc cacaatgcat gaggcacaca cacagcaagg atgacgctgt aaacatagcc 1440
cacgctgtcc tgggggcact gggaagccta gataaggccg tgagcagaaa gaagggagg 1500
atcctcctat gttgttgaag gagggactag ggggagaaac tgaaagctga ttaattacag 1560
gaggtttgtt caggtccccc aaaccaccgt cagatttgat gatttcctag caggacttac 1620
agaaataaag agctatcatg ctgtggttaa aaaaaaaaaa aanaaaaaga agtcgacc 1678

<210> 154
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1148)
<223> n equals a,t,g, or c

<400> 154
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gtggcctctg ctgtcccctc agcacgaccc cgccaccaga agtccatgtc cacttctggt 120
catcctatta aagtcacact gccaaccatt aaagacggct ctgaagctta ccggcctggt 180
acaacccaga gagtgcctgc tgcttcccca tctgctcaca gtattagtac tgcgactcca 240
gaccggaccc gttttccccg agggagctca agccgaagca ctttccatgg tgaacagctc 300
cgggagcgac gcagcgttgc ttataatggg ccacctgctt caccatccca tgaaacgggt 360
gcatttgcaa tgccagaagg ggaacgtcaa ctggtataat aagcaaaatc acatccaaat 420
ttgttcgcag ggatccaagt gaaggcganc agntggcaga accgacacct caagaagtac 480

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atcaggggaa ccaaaagaaa gagacaagga agagggtaaa gattctaagc cgcgttcttt 540
gcggttcaca tggagtatga agaccactag ttcaatggac cctaatgaca tgatgagaga 600
aatccgaaaa gtgttagatg caaataactg tgattatgag caaaaagaga gatttttgct 660
tttctgtgtc catggagacg ctagacagga tagcctcgtg cagtgggaga tggaagtctg 720
caagttgcca cgactgtcac ttaatggggt tcgcttcaag cgaatatctg ggacatctat 780
tgcctttaag aacattgcat caaaaatagc aaatgagctt aagctgtaaa gaagtccaaa 840
tttacaggtt cagggaagat acatacatat atgaggtaca gtttttgaat gtactggtaa 900
tgcctaatgt ggtctgcctg tgaatctccc catgtagaat ttgcccttaa tgcaataagg 960
ttatacatag ttatgaactg taaaattaaa gtcagtatga actataataa atatctgtag 1020
cttaaaaagt aggttcacat gtacaggtaa gtatattgtg tatttctgtt catttttctgt 1080
tcatagagtt gtataataaa acatgattgc ttaaaaaaaa aaaaaaaaaa aaaaattnct 1140
gcggccgnca agggaatt                                              1158

<210> 155
<211> 1969
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<400> 155
gccgcacgag cagccagaga cagcgcgacc cggagccgga gccagagcca gagccagagg 60
gaggacgcag ccgcgccggg gcgcagaacg accagctgag caccgggccc cgcgccgcgc 120
cggaggaggc cgagacgctg gcagagaccg agccaggtaa gcggcgaggc cggggaaggg 180
ggqcagccca aggcggaccc ccagagctcg gggtgcaggg acgcggggct ccgcggcgac 240
aggcagaggg accttcccgc ctccgcagcc acgcgcgcgc ccccggaatg aaccctgagc 300
cccagcgtca gggcggcgca ggattctgac accgcaggat tcgcccggtt ccgtgccttc 360
cgttccctgg ggctcagaag ccggcgcgac tgcagcgcca ccgcttcca ccgtcccagg 420
agcggatccc gccccgcgcc acccgcgatc ggcgccagcc ccccggtagt tatgagaant 480
aataataact tattaacagt gacaaagcag gggttgacca gcaaagcctc cgtgtgcttc 540
ccaatcccgt gggcagtaaa gcggtatatt cgggggttccc tccggtgtcc aggagagaga 600
gtccacttat tttctttcct gtcacttctg atgaggcgac cgaacgcctc gtttagcgaa 660
gagggaatta aagcccagaa tgagcctgcc tctgcgtctc cagtggcaca agccctctct 720
tgcccacctg gatcctaaca ccggatgtct tttggtctgg ccttcccggg tatcttgttc 780
cacggcattt tccctgcctc cctctcccgc ctctcctcag cacacagatc cagaatcccc 840
atataattct actagacagt agggagaaag ttcaaccacg aaacgtctct aactttgggt 900
tcttgatgat tcttagcaaa tgaatgcgta ataaacatat ttactcactc ttcactccgg 960
agagctcctt agtcatgtga aaaaagtgaa atgtatccac gatgacagtg ggctgtttgt 1020
tcactcacta aagagataag ggtggattga attctgttct cttccctgct aacatgtaac 1080
ttttgtcttc ccatccctcc ttccccactc tcctttccag aaaggcactt ggggtcttat 1140
ctgttggact ctgaaaacac ttcaggcgcc cttccaaggc ttccccaaac ccctaagcag 1200
ccgcagaagc gctcccgagc tgccttctcc cacactcagg tgatcgagtt ggagaggaag 1260
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ctcacggaga cccaagtgaa gatatggttc cagaacagac gctataagac taagcgaaag 1380
cagctctcct cggagctggg agacttggag aagcactcct ctttgccggc cctgaaagag 1440
aggcttctc ccgggcctcc ctggtctccg tgtataacag ctatcctac tacccatacc 1500
tgtactgcgt gggcagtgga gcccagcttt tkggtaatgc cagctcaggt gacaaccatt 1560
atgatcaaaa actgccttcc ccagggtgtc tctatgaaaa gcacaagggg ccaaggtcag 1620
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ggagcaagag tgtgcacacc aamgctattg gagatttgcg tggaaakctc agattcttca 1680
ctggtgagac aatgaaacaa cagagacagt gaaagtttta atacctaagt cattcctcca 1740
gtgcatactg tagqtcattt tttttggttc tggctacctg tttgaagggg agagagggaa 1800
aatcaagtgg tattttccag cactttgtat gattttggat gagttgtaca cccaaggatt 1860
ctgttatgca actccatcct cctgtgtcac tgaatatcaa ctctgaaaga gcaaacctaa 1920
caggagaaag gacaaccagg atgaggatgt caccaactga attaaactc 1969

<210> 156
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 156
aattcggcac gagaagaaag aaagaatgaa agaaagaaaa gaaaagaaag aaaggaaaga 60
aaaaggaaag aaagaaagga aagaaaggaa agaaagaaag agagagaaag aaagaaggaa 120
aaggaggaag ggaattccag gtatatacca ctgcatgagt aaaggcaggg ttgtggatag 180
acatagttga tttgtagggc ccttgtttgc caagaatagt cctgctttac ccctgttgtc 240
ctgatgtaat tattaataat actgcctcat tcagtcttaa ataagtcttg grtttggact 300
agaaattata tggctaccyc tttatgtggg actaaaagta attccttgrg acmgggacnt 360
ggagtnaggt gcccaaggaa agctagaagg tagttttntc 400

<210> 157
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (720)
<223> n equals a,t,g, or c

<400> 157
catggtttgg taacctcatg cactgtggga atgtcagagg accccgagat aatgcttcac 60
tgccaagtct gaaaattgtg tccacaagat ttgattggta gtattttcta tcattgtaca 120
acttaaaata tcttctaatt tccatttttt ttttttgaca tgagttgtat agaaatgtgt 180
gcttcagttt ctgttatagc aacaactctt gtcacccata gccttacaaa aattcctaat 240

tttaatattt aaattttaga attckacrag cagaattaca aaaagagtaa ctaacaagaa 300
agtgagattg tgatgggata acggaatgtc aagtctaatt gtcaggaaaa gacaaaataa 360
catgggaatg acaatcaaaa tggactaagg acttagaaga tccgaaacta tgaagctact 420
aaaagaaaca ttggggaatg ctccaggaca ttggtctggg caaagatttc ttgagcaata 480
cctaaaagg acaggcaacc caagcaaaaa tggrcagwtg ggwtcmcwtc magctaaaaa 540
acttctacac agcgaaggaa acaaagtgaa cagaataaca tgggaatgtt ttctgtaatt 600
tagtagtaac tggcaatagt ttacaaacac attttgtgta tactgctgtc attgcactga 660
ttaccttctg ttgtagtgac tttgttctat tagtccactc aattaaaata tttggttttn 720
tt 722

<210> 158
<211> 1200
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 158
taatattcct ttggattcag agacccacaa ctaccagatt gtcaatcatg accaaaagtt 60
gcttctcatc acttctacaa ccccacaatg gaaaaagaac cgagtgacag tgtatgagta 120
tgatactagg gaagatcagt ggattaatat aggtaccatg ttaggccttt tgcagtttga 180
ctctggcttt atttgccttt gtgctcgtgt ttatccttcc tgccttgaac ctggtcagag 240
ttttattact gaggaagatg atgcacggag tagntctagt actgaatggg acttagatgg 300
attcagtgag ctggactctg agtcaggaag ttcaagttct ttttcagatg atgaagtctg 360
ggtgcaagta gcacctcagc gaaatgcaca ggatcagcag ggttctttgt aaatagtatt 420
ttgagacact aagatgtttc tactgctacg gratgtattt taaacacata tcgttttctt 480
ttcttggaaa aaaagttgat taggaccaca gatttggttt agaaagggta atattttgaa 540
atactacaag gtttagacag tccatgaatc gacctgttta ataatttacc atcctgaaag 600
tccagaatta aaatatggaa gcaagaacta tataattgat taggatgctt ggtaggtttt 660
tttcattgtt caaatattca ttgcacagtg gattgttttg attagttagt atgcttcttt 720
tttaattaat tcagtcttct gttaattttt aagttttggt tagtgccaca agcaatttaa 780
ctttttgatt tgtataatag aaaactgaac taggaattgt tagcgggggtt ttgaaggatg 840
tgtactttcc ttcaaaataa agtggtagat tttcaaaatt ttacactagt cagttcttta 900
tattctaagt taaatgtagt ttgtaaaatt attttggttt tcttctacaa aggaaaaaat 960
tggatttata tatataaggt tactgcataa tgatttcatt ttgataatgt gcagaatggc 1020
ctcataagct cacagaaagt aaaaaaaaaa aaaaaaaaaa aagaaaaaat caggattcca 1080
ctgttttaaa agaaatctca gtttttattt tggaatataa aatgtgtatt tggtatatgt 1140
gaccaatttt ctatcccaaa aaacacccat tcttagtaat gtcatgaatt aaacaccctt 1200

<210> 159
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 159
ttcggcacga gagaaaagta aaaaaaagaa agaaagaaag aaacaaacaa acaaaacaac 60
tggcatacat atatctccta aatacaggaa gaagtattca taatctcact ctttagcatg 120
gtacaaagct aaccacaact aawttattgt atataargcc acgtgaagtg stgtgtgaca 180
gccttatttt gtgaataggg ctgagaaaac cagttcaaat tctcctgaga ctatttcaga 240
ggrgttaaaa tttgaactcg tttaaaaatc atgrtttatt tacttaatat taagtttagg 300
ttaacgggca gaaaangagg ngcctggggg catcacccaa atttt 345

<210> 160
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 160
aattcggcac gagagacacc agagtgaagg agagaggcca tgctgtgtcc gagaagctcc 60
tactggggtg gaagggacag ctccacaaag gctgctcttg caggggctct cctgcagcaa 120
ggtgcctgct gactgtcccc agactgtctc ccgacacaga gggatgcaaa ggcagcctct 180
tcctgctcag tggaataggg aaattatatc acctttcact tcccactctc acttctgccc 240
ctgctaccct tagtctttgg cttttgctga cattttcccc tcttatcttt tctcctgacc 300
aagttctagg tnttcatag ggcagtctta ggtgagggtt ggaaccccaa tgaagttggg 360
caacagaaac ccagctnaca atggctgttc actgtgggca agctgtttcc ccttcatctt 420
ntaaaagtgg aggtggggtt agtgtatgag tctgggtttc cattcaactg tgtgtg 476

<210> 161
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<400> 161
aattcggcac gagctgcgcg cggctacagc acggttcgtt tttcctttag tcaggaagga 60
cgttggtgtt gaggttagca tacgtatcaa ggacagtaac taccatggct cccgaagttt 120
tgccaaaacc tcggatgcgt ggcctttctgg ccaggcgtct gcgaaatcat atggctgtag 180
cattcgtgct atccctgggg gttgcagctt tgtataagtt tcgtgtggct gatcaaagaa 240
agaaggcata cgcagatttc tacagaaact acgatgtcat gaaagatttt gaggagatga 300
ggaaggctgg tatctttcag agtgtaaagt aatcttggaa tataaagaat ttcttcaggt 360
tgaattacct agaagtttgt cactgacttg tgttcctgaa ctatgacaca tgaatatgtg 420
ggctaagaaa tagttcctct tgataaataa acaattaaca aataaaaaaa aaaaaaaagg 480
gggggcccc tctaaaaggt ccaagcttac gnacgggtgn 520

<210> 162
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<400> 162
aattcggcac gagcgcgcct ccacgcccag ctaatttttg tatttttggt agagacgggg 60
tttcttcacg ttggctaggc tgatcttgaa ctcctgacct caagtggtnt gcctgcctca 120
tcctcccaaa gtgctgggat tacaggcgtg acacctgcac ccacccatgc tctagtacat 180
cctaaagaat gcctttagtt cctctttcct gacattactc tgcttaaatt ccccagattc 240
aagctttttg agaatcctat ctcagcattt tgggcatcag gccatgttat atataggtrc 300
acaacttcta ggccttgttt agttggacag gttnaaaag 339

<210> 163
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 163
aattcggcag agcagaacat tggtatgcgg cacatgactg tagatcttct cattaataat 60
aggcaacctg gtcaggtgca cgartctagg gttcagaatc caacaggctc aaattcaagt 120
ccagctcagc cacgtggctg atgctgtctg aacctcagcg tcctcagctg ttaaacagag 180
gtaaccatcc ccatctcagc agctttggga ggaaattaaa tgagatatat tggggatcca 240
gataaccaat aaaatatcaa atcactttac cagttcaagc tcttaccact tcagtgattg 300
catgggcttt atcactgacg gatggaactc aggggttcca gggngttcgng acccagc 357

<210> 164
<211> 1079
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (831)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (993)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1058)
<223> n equals a,t,g, or c

<400> 164
ggcacgagct tggcctccag agtgctggga ttacaggtgt gagctaccgc gcccggccta 60
ttatcttgta ctttctaact gagccctcta ttttctttat tttaataata tttctcccca 120
cttgagaatc acttgttagt tcttggtagg aattcagttg ggcaatgata acttttatgg 180
gcaaaaacat tctattatag tgaacaaatg aarataacag cgtattttca atattttctt 240
attcctaaa ttccactctt ttaacactat gcttaaccac ttaatgtgat gaaatattcc 300
tanaagttaa atgactatta aagcatatat tgttgcatgt atatattaag tagccgatac 360
tctaaatara rataccactg ttacagataa atggggcctt taaaaatatg aaaaacaaac 420
ttgtgaaaat gtataaaaga tgcatctgtt gtttcaaatg gcactrtctt yttttcagta 480
ctacaaaaac agaataattt tgaagtttta gaataaatgt aatatattta ctataattct 540
aaatgtttaa atgcttttct aaaaatgcaa aactatgatg tytagttgct ttattttacc 600
tctatgtgat tatttttctt aattgttatt ttttataatc attatttttc tgaaccattc 660

ttctggcctc agaagtagga ctgaattcta ctattgctag gtgtgagaaa gtggtggtga 720
gaaccttaga gcagtggaga tttgctacct ggtctgtgtt ttgagaagtg ccccttagaa 780
agttaaaaga atgtagaaaa gatactcagt cttaatccta tgcaaaaaaa naaaatcaag 840
taattgtttt cctatgrgga aaataaccat gagctgtatc atgctactta gcttttatgt 900
aaatatttct tatgkctcct ctattaagrg tatttactaa aactctgtaa tctccaaaat 960
attgctatca aattacacac catgttttct atnattctca tagatctgcc ttataaacat 1020
ttaaataaaa agtactattt aatgatttaa aaaaaaanaa aaaaaagaaa aaaaaaaaa 1079

<210> 165
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1313)
<223> n equals a,t,g, or c

<400> 165
ttaaaacaag atacatacat agtataacac acctcacagt gttaagattt atattgtgaa 60
atgagacacc ctaccttcaa ttgttcatca gtgggtaaaa caaatttctga tgtacattca 120
ggacaaatga ttagccctaa atgaaactgt aataatttca gtggaaactc aatctgtttt 180
taccttaaaa cagtgaattt tacatgaatg aatgggttct tcacttttt tttagtatga 240
gaaaattata cagtgcttaa ttttcagaga ttctttccat atgttactaa aaaatgtttt 300
gttcagccta acatactgag ttttttttaa ctttctaaat tattgaattt ccatcatgca 360
ttcatccaaa attaaggcag actgtttgga ttcttccagt ggccagatga gctaaattaa 420
atcacaaaag cagatgcttt tgtatgatct ccaaattgcc aactttaagg aaatattctc 480
ttgaaatttgt ctttaaagat cttttgcagc tttgcagata cccagactga gctggaactg 540
gaatttgtct tcctattgac tctacttctt taaaagcggc tgcccattac attcctcagc 600
tgtcctgca gttaggtgta catgtgactg agtgttggcc agtgagatga agtctcctca 660
aaggaaggca gcatgtgtcc tttttcatcc cttcatcttg ctgctgggat tgtggatata 720
acaggagccc tggcagctgt ctccagagga tcaaagccac acccaaagag taaggcagat 780
tagagaccag aaagaccttg actacttccc tacttccact gcttttttct gcattkaagc 840
cattgtaaat ctgggtgtgt tacatgaagt gaaaattaat tctttctgcc cttcagttct 900
ttatcctgat accatttaac actgtctgaa ttaactagac tgcaataatt ctttcttttg 960
aaagctttta aaggataatg tgcaattcac attaaaattg attttccatt gtcaattagt 1020
tatactcatt ttcctgcctt gatctttcat tagatatttt gtatctgctt ggaatatatt 1080
atcttctttt taactgtgta attggtaatt actaaaactc tgtaatctcc aaaatattgc 1140
tatcaaatta cacaccatgt tttctatcat tctcatagat ctgccttata aacatttaaa 1200
taaaaagtac tatttaatga ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaaaaagg gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa angggggggg ggnccaaaaa 1320
aaaaa 1325

<210> 166
<211> 394
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 166
aattcggcac gagtttgcat ccaaattgtt tgacctttgt gcagtggctc ccattatcaa 60
ctggggaacc agtacaatct ttacctagtt actactgagg ttgttctctc tccatcacaa 120
aatttcatgc tatttatctg tgagaaaatg cctgaggact ttcacacagt aattcatctt 180
atctggaacc cttaggatca gatgtagacc gagcaaatgt caagttcaca gagaacacct 240
gtgtcttcag aacattaaag ggcaccatta gagcttgttt cccttcactt tacatgcaca 300
tttttggsat aagttnnggg ctkratgatg ttgtcatags naatactgct agratgrttg 360
ctgtactcat tcactnccaa aaaaggggg gntg 394

<210> 167
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 167
ataattgcgg ctctttctcc tattcagatt ttacccagtg atggaaaaga tcaattttct 60
tgtggaaatt cagtggctga ccaagccttc cttgattctc tctcagccag cacagctcag 120
gncagttcgt cggctgccag caacaatcac caggtacgtc tcacttcctc cttctggatg 180
tggctggctt tacggaaaac agagcgtatt tgtgnaaggc ttgtgatgca ttatagctat 240
tgccattccc caaaagcaaa aacaaagtcg ctttaggttg ttctgtggca tttctgttgg 300
gtactaacaa agaaatcacc tgttwagcct gataatgact gtttgcaaat ttattataag 360
agaaaaggca gggtattgag ggttgctttt aggaagtctn nccatgatat ggaacacaga 420
ccccagaaac ttgcaaatac cctcttaggt taaggcatgg aaagaggagg angagagagg 480
tcttgtttgt tgaggaggtc catgtcaggc cttggcc 517

<210> 168
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<400> 168
cttccctcag cccttggcca acagcattct actttctgtc tctacggatt tracacttta 60
gtagcctcat gtaggaagaa tcataatact tgtyttttttg tgactggctt atttcactta 120
gcataatatt ttcaatgttc atccattttg aagctccatg tgagtgggca ggaacttgtt 180
aactggaggc cttcactgag aagtgattaa ggtgatgaat acctgccagt gcagtggctt 240
cacacctgta ctccagcact ttggggaggc caaggcagga agatcatttg agccccagga 300
tttsgggacc accttkggca atatagtgag acccngtgtt t 341

<210> 169
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 169
ttcggcacga ggtcttgact cctacccccc tacaacacat ataaaatcag ttccagatag 60
atcacacatc taaatgtgaa atgcaaaata ataaagcttt aagaaaaaaa gtaatggaac 120
catcttcatg atcttagagt aagtagagat ttattaagta ggatattaaa ggaacactat 180
aaatttaggg aaaaaatcaa tatattgatt atattaaaat taaggaactt ttcctcatta 240
agaggccaca aagtatttgt agtatacaca tccaacaaaa gttccatatt ccngaatwtw 300
tgganggaat nccnatggta cgttaaaaaa aggccagncc cangggggg 350

<210> 170
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<400> 170
aattcggcac gagacatggt gaacctggtc tctacataaa atacaaaaac ttagatgggc 60
atggtggtgt gtgcctatag tcccactact tgtggggcta aggcaggagg ntcacttgag 120
ccccggaggt cgaggctaca gtnagccaag agtgcactac tgtactccag ccagggcaag 180
agagcgagac cctgtctcaa taaataaata aataaataaa taaataaata aataaataaa 240

taaaaaaaaa caaagttgat taagaaagga agtataggcc aggcacagtg gctcacacct 300
gtaatccttg cattttggaa ggctgaggca ggaggatcac tttaggcctg gtgtgttcaa 360
gaccagcctg gtcaacatag tgagacaytg tytytaccaa aaaaaggaag gaagggacac 420
atatcaaact gaaacaaaat t 441

<210> 171
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<400> 171
ttttcatgaa cctcttccct gggaaaccttatgactcaac agtcaaaggt gtccgaatag 60
taaagatggt tttcagtgat caggtctgtg cccatgcctg gccttggata gactctgaaa 120
tgagattctt tgtttgattg atggggtgat ggtttctgtt gtgtacattt gaaggaaacc 180
agtttcccca cccaaaattt ctaaggagtt taatctttgg ggtrtagggg agttaaacta 240
cactgagtca aggaagtaat tgattgcata tttcctctaa aagtcagcta tggrttgata 300
ttgactaaaa caaactagca gttctcttcc accaccaagt cmgagcgtct gttcaccatt 360
ctgcatggtt aaaagraccc acttagggat gggtaatgnt ncc 403

<210> 172
<211> 984
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 172
caagatattt acttccgctc caaacaaaga tgggccagct aacgagcncg ggggaaacat 60
ccgcccggaa ggccacttga aggcacttcc gccctctctt aacatggagc cggcggaagg 120
ggtggtgtag ggccgggcga taatggcggc gtcgaggctg gagctaaacc tggtgcggct 180
gctatmccgc tgcgaggcga tggcagcgga gaaacgggac ccggacgagt ggcgcctgga 240
gaagtacgtg ggagccctag aggacatgtt gcaggccctg aaggtccacg cgagcaaacc 300
ggcctctgag gtgatcaatg aatattcctg gaaggtggat tttctgaagg ggatgctgca 360
agccgagaag ctgacctcct cctcagagaa agcactggcc aaccagttcc tggcccctgg 420
ccgtgtgcca accacagcca gagagcgagt gcccgccaca aagacggtgc atctgcagtc 480
acgggcgcgg tacaccagcg agatgcggag tgagctacta ggcacggact ctgcagagcc 540
tgaratggac gtaaggaaga gaactggagt ggcagggtcc cagccagtga gtgagaagca 600
gtcggcagct gagctagacc tcgtcctgca gcgacatcag aacctccagg aaaagctggc 660

ggaagagatg ctaggactgg cccggagcct caagaccaat accctggccg cccagagtgt 720
catcaagaag gacaaccaga ccctgtcaca ctcactgaaa atggcggacc agaacctgga 780
gaaactgaag acggagtcag agcgtctgga gcagcacacg cagaagtcag tcaactggct 840
gctctgggcc atgctcatta tcgtctgctt catcttcatt agcatgatcc tcttcattcg 900
aatcatgcct aaactcaaat aaagacccca gcccaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa aaaa 984

<210> 173
<211> 1194
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1192)
<223> n equals a,t,g, or c

<400> 173
cgnggcggna anntantggc ccccccctaa agggaacaaa agctggagct ccaccgcggt 60
ggcggccgct ctagaactag tggatccccc gggctgcagg caaaagggan aattcaaaat 120
ttagaaaaaa cattagaaat gttaatatgg gatatttttg acttaagaca ttcagaaaag 180
ttaatgtttt aacacgatat gtgattatag aattctattc atatatgtgt tcacatttat 240
acactttgct atactttgta tttataaata taattctgtt agataaataa gtgattcata 300
ttttgtcaaa actattttaa aatttcaata tttaaaatat ttttgaatca ctggtttttcg 360
ttaagtggca tcatagrtga gatttgattc catgtagcat ataattttag attgttcctc 420
tctcaccccct tttaaactcc ttcaagcatt gctattactg gggttgcctt tgggaaaact 480
tacttctaga tactaccata tatctgaaat agtagaggtg gatgttaata aaattcataa 540
aataatcatg tattactttt tttgatttac cactggaagg aaatacagtc atgtgcaata 600
taatgacgtt ttggtcattg agacccacat gtgtgacagt ggtcccataa ggatgttgct 660
gaaaaattcc tgttgctgcc tagtgacact gtagccatcg taacgccata gcacgacacg 720
ttactcacct gttcatggtg atgctggtgt aaacaaacct gtgctgccag tcatacaaaa 780
gtatagcaca atgacaatta tgtacagttt atcataattc ttgataataa atgactatgt 840
tacaggttta tgtattgatt ccacttttg tcattatttt ggaatgtact cctactaatt 900
ataaaaaaga aaaggttaac tgtaaaaaag cctcaggcag gtcctttagg aggcattcca 960
gaagaagaca ttgttaccat aggagatgac agctctatgt gtgttattgc ccctgaagac 1020
cttctagtgg gacaggatat ggaggggaaa gacagtgaca ttggtgatcc tgaccctgtg 1080
taggcctagg ctaatgtgtg tgtgtcctcg tttttaacaa gaaagtttaa aaagtaaaaa 1140
aaaaraaaaa ggnctcgaga aagggcaaaa gggcncttgg gcaaatggca gnac 1194

<210> 174
<211> 701
<212> DNA
<213> Homo sapiens

<400> 174
gcttccactg atcttgccca tctgatgtta ccatgtttgt tgtaaaggaa gagactggca 60
ttctggacaa ctggcatcag agactggctg acatggagaa cccactctgt gtgtgctgag 120
grcagggcac tcaccagtgc agaggcagaa gtgggtgcct gtcctcgagg gttaaccegc 180
tttgcctccc gcccacagcc cctccacctt ctaaaagctc aagagatgat cagactgaaa 240
cacccgccca tcttgctgtt ctgcctaggc tggaagacct ggcccaggtc atggaggccc 300
ctgctccact tgccagattc gcaggagtct tctgaccaga gctgtcgcac cttgctgctg 360
ccactggcac tgctgccatt ctcatcctct tgggggcctt cattggtgcc acattctttg 420
tagccacctg ggctgtcagc catgagggaa ggacccteat tttagtctcg gattgtaagg 480
tttccatctc tgtaccttct cacaaagaag agtcagggcc caagcttaat gacctgtttt 540
ttaattcagg aaggtaaatc tcgttctctc gtcacacccg gaattacagg tccatttgtc 600
ctcagtggga gttgatcttt gattcctaca aagaacaata aagtccggtg aattcccata 660
aaaaaaaaaa aaaaaaact cgggggggg ccccggtaac c 701

<210> 175
<211> 1181
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 175
tgggganatt tccccgaacc ggcnttcccg ggtcgaccca cgcgtccgcg gacgcgtggg 60
ccaaagtgtt gtgtgtgtnt gtgtgagtgg gtgcgtggta tacatgtgta catatatgta 120
taatatatat ctacaatata tattatatat atctatatca tatttctgtg gagggttgcc 180
atggtaacca gccacagtac atatgtaatt ctttccatca ccccaacctc tcctttctgt 240
gcattcatgc aagagtttct tgtaagccat cagaagttac ttttaggatg ggggagaggg 300
gcgagaaggg gaaaaatggg aaatagtctg attttaatga aatcaaatgt atgtatcatc 360
agttggctac gttttggttc tatgctaaac tgtgaaaaat cagatgaatt gataaaagag 420
ttccctgcaa ccaattgaaa agtgttctgt gcgtctgttt tgtgtctggt gcagaatatg 480
acaatctacc aactgtccct ttgtttgaag ttggtttagc tttggaaagt tactgtaaat 540
gccttgcttg tatgatcgtc cctggtcacc cgactttgga atttgcacca tcatgtttca 600
gtgaagatgc tgtaaatagg ttcagatttt actgtctatg gatttggggt gttacagtag 660
ccttattcac ctttttaata aaaatacaca tgaaaacaag aaagaaatgg cttttcttac 720
ccagattgtg tacatagagc aatgttggtt ttttataaag tctaagcaag atgttttgta 780
taaaatctga attttgcaat gtatttagct acagcttgtt taacggcagt gtcattcccc 840
tttgcactgt aatgaggaaa aaatggtata aaaggttgcc aaattgctgc atatttgtgc 900
cgtaattatg taccatgaat atttatttaa aatttcgttg tccaatttgt aagtaacaca 960
gtattatgcc tgagttataa atattttttt ctttctttgt tttattttaa tagcctgtca 1020
taggttttaa atctgcttta gtttcacatt gcagttagcc ccagaaaatg aaatccgtga 1080
agtcacattc cacatctgtt tcaaactgaa tttgttctta aaaaaataaa atattttttt 1140
cctatggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 1181

<210> 176
<211> 489
<212> DNA
<213> Homo sapiens

<400> 176
aatcgctgaa ccaggagcgg agttgcagga ggagaytcac cactcacttc agcctggtga 60
cagrgggagc tctktcttaa aaaaaaaaaa aaaatcatct gtaaaataaa ttccgggata 120
gtcgttttgt tcaaggaaat gttttgtaaa ttgagctcac actatataat ctttattgtc 180
ctatcctgat gtataataca gcaggtataa ttacaccaag cgctatagtt ataaatatgg 240
catgaagtga actatggcct tttatttcct tccagtgtga acacagcagg tgtgagatgt 300
catcttggaa gacaggcctt gcagaaatag gcctacatcc aaaatattat cttgtgactc 360
catgaaccat tcattaaccc tttgtatctt tgagtgaaaa ttttactcaa aagttgcatc 420

tggaagttcg aagaaattac ttgaaataaa aataaagatt tctatataga taaaaaaaaa 480
aaaaaaaaa 489

<210> 177
<211> 253
<212> DNA
<213> Homo sapiens

<400> 177
aattcggcac gagcccgggw caggcacaca ggcccaggtg tgtaggccac agcagccgca 60
gtcctgaaag sctgcaacac ccagacctcc aggagagacc aggcccagga tgcctcgcct 120
gttcttgttc cacctgctag aattctgttt actactgaac caattttcca gagcagtcgc 180
ggccaaatgg aaggacgatg tkattaaatt atgcggccgc gaattagttc gsgcgcarat 240
tgccattttg ggg 253

<210> 178
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 178
aattcggcac gagagcttat tcattgaagg agtaagtggc tgctcactcc tttctgctga 60
aactctttcc tgtccttgta gcctagtgtg gaatgggagc agggtcacag tgaaagagct 120
gaatctcccc acccacccac actgcagcag gctgcggctg gccgacttgt taattgccga 180
gcaggaacac agcagcaagc tgcgggcacc cctnacttgc tacagttgat ggctgtgtgt 240
ctctcccagg acctagagaa aacccgsctt gtgtacgagc gcatcactat cggcacattg 300
ttcatgtcct tcatgaacgr gtaaactgct gtttccgtgg rttttcaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaag ctcgagggtg ggc 393

<210> 179
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 179
attataagcg acgatggttc tgttgctatg aacacagcag tcggtccctg tcattgtcca 60
cccaggagtg gcctttgttaa ttccaagtgg catgtatctt ccctctgagc ttcatttctt 120
caagatgctc tgggtggtgg gatgggagac catcctgcag ccctcctcag accttatcaa 180
ttcattgaga gattgcaaag ctgaaagcac ctccggccac tcctgggaga cagacccttt 240
ggtgatgaaa taaaccagtg acttcagagc ctatggtctc aactgtgctt gaaaaacact 300
gtctctgaaa acaactttgt gattctccct gctccctgtg gacaaaagca cataattctg 360

ctgttacggg tacttgnstc atacgagctt tcatgttcag catgcaatgg aatcatgctt 420
gtccatgtga aataaaatatg gctctctcgt gtccttaaaa aaaaa 465

<210> 180
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<400> 180
cttgggttca gggaaaccag agattatacc aagacgggtc attctgcgcc atggaaaaca 60
tccttggnat ttaattgctg ctgacaataa aggtaagggc tgggcttgga tacagcattc 120
cccagataga gatgctagan aaagtgcata gctatggggt gcacagctct gtttgccttc 180
atcattgtaa cccgtagaaa gaaaacttga gtaaggtcaa ggtttccatg ctttccttaa 240
agtgtggagc cttttattcc atgaaaaggt tatacaaaaa tccaggttat caagcaaata 300
aacaagcagt tcttactcag ataaacaaga tacacccccct caccctacct gctcaatttc 360
tctttctcca ctcccccaaa cccacctcca ttgtagttcc tgcagggggt cccgtaagyt 420
tattttgaaa atcactaggg tgggctkggg cgcggtggst tcaggatgtw aatyccagca 480
ctttgggggrg ggcccnggga aggcagttca ttttggggtc aaggggtttt tg 532

<210> 181
<211> 814
<212> DNA
<213> Homo sapiens

<400> 181
aattcggcag agtaaaattc aaataattat aagcatttgg caaaaacaag agaaaagaaa 60
cttgccatat tttacaagct gcaattttag aaaagcttta acttaatgat agttttatca 120
ttgttttctt gtcccaaact tatccagggc catagaagta tgaatctaat taaaacagaa 180
atgggaatta ttgcacagaa atgggaaata actaatttta aatcagtcaa attggctttct 240
tattaaatac aataattctt atgraaatca tagtacccta ttttcagaca cagctgccag 300
tttacacatt tctcagtatc ctgaarggra aaaagtatag ccccrcttat actatgtaaa 360
attaccaata aaatattttt atgactacag attttgcatt tttgtttaca actatttaaa 420
gagttttatg ttgtatttag aatttcaacc tagaaaccac acagtactta aattctcctg 480
gggtctcctg ctttctctta accatttgct taatatatat ctacctaaag gagacttctg 540
aattgtaaat gaacttaaaa atagaatgtg gatgcaaaat atcacataag acatcatgat 600
aacatttgaa gaaaaaataa aactgtagac cctaacagtt gtgatatttg gtggkttcat 660

gtggtaatgt aattttctgk ttaattacag tacttttac aggcacagtg gkactgtctt 720
ttttgtaaga tgcyagttgt gaaatacaat taattgcata cagtaaaagt ctgtgattaa 780
aacatttata tacctcaaaa aaaaaaaaa aaaa 814

<210> 182
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 182
taattcggca cgaggaacca ctgttcctta caggtaagcc agcatgatag ttagaccaaa 60
ccatcccaat agagacttgg catgcattca acaaacatcc caggtgccta gggtgtgccc 120
agcaccattc caggagctgc cagtaaagga aacaagactg ctgtgtggcc aggtgcggtg 180
gctcacatct gtaatctcag cactttggga atgccgaagt gagtggatca cctgaggtca 240
ggagttcaag accagcctgg gccaacatgg tgaaacccca ttttttactt aaaaaaaaaa 300
aacttggggg ggggncc 317

<210> 183
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<400> 183
tataaaagaa aaaaaaggc tgtacaaaaa tttcttttrt acagagactg trtaaaagaa 60
aaaaaaaaag aaatacmtgt gttcttaaaa ccatttgtat attttcattt ctagaccaca 120
ctgtagctaa ttattgttat taaatgttaa gataatttaa gtatataana taagtattga 180
nccgggcatg gtggctcacc cctgtaaatc tcagcacttt gggaaggctg aaggcggggg 240
gtt 243

<210> 184
<211> 1148
<212> DNA
<213> Homo sapiens

<400> 184
aattcggcag aggggccata caaaaatttt ggacttgtta ataccactta ctaaccgggc 60

ctgtaacact gggctaaaca aagtaagccc tgtttactca gcagtgtttg ggggacatga 120
agattgccta gaaatattac tccggaatgg ctacagccca gacgcccagg cgtgccttgt 180
ttttggattc agttctcctg wgtgcatggc tttccaaagg agtggagctg tragttcttt 240
ggaattgtga acattctttt gaaatatgga gcccagataa atgaacttca tttggcatac 300
tgcctgaagt acgagaagtt ttcgatattt cgctacttttt tgaggaaagg ttgctcattg 360
ggaccatgga accatatata tgaatttgta aatcatgcaa ttaaagcaca agcaaaatat 420
aaggagtggt tgccacatct tctggttgct ggatttgacc cactgattct actgtgcaat 480
tcttggattg actcagtcag cattgacacc cttatcttca ctttggagtt tactaattgg 540
aagacacttg caccagctgt tgaaaggatg ctctctgctc gtgcctcaaa cgcttggatt 600
ctacagcaac atattgccac tgttccatcc ctgacccatc tttgtcgttt ggaaatttcgg 660
tccagtctaa aatcagaacg tctacggtct gacagttata ttagtcagct gccacttccc 720
agaagcctac ataattattt gctctatgaa gacgttctga ggatgtatga agttccagaa 780
ctggcagcta ttcaagatgg ataaatcagt gaaactactt aacacagcta atttttttct 840
ctgaaaaatc atcgagacaa aagagccaca gagtacaagt ttttatgatt ttatagtcaa 900
aagatgatta ttgattgtsa gataggttag gttttggggg gccagtagtt cagtgagaat 960
gtttatgttt acaactagcc ttcccagtaa aaaaaaaaaa aaaaaaattt gtaaacatca 1020
cttatattac tttattgcag cttcatcacc agtacattat atgttgtaat atttatttac 1080
ctgatcattt tgatcatttt ctgctttatt ttgctaataa actgtgatgt tacttctaaa 1140
aaaaaaaa 1148

<210> 185
<211> 1971
<212> DNA
<213> Homo sapiens

<400> 185
gtactttaac aattcmcart actatagtay tgggaattgt taaaagtaca ttcctctgaa 60
agataagaat cactggcttc tatgcgcttc ttttctctca tcatcatgtt ctttcacccc 120
agtttcctta cattttttta aattgtttca gagtttgttt ttttttagt ttagattgtg 180
aggcaattat taaatcaaaa ttaattcatc caatacccct ttactagaag ttttactaga 240
aaatgtatta cattttattt tttcttaatc cagttctgca aaaatgacct ataaatttat 300
tcatgtacaa ttttggttac ttgaattgtt aaagaaaaca ttgtttttga ctatgggagt 360
caactcaaca tggcagaacc atttttgaga tgatgataca acaggtagtg aaacagctta 420
agaattccaa aaaaaaaaaa aaaaaaaaaa aaaaagcaaa actgggtttg ggctttgctt 480
taggtatcac tggattagaa tgagtttaac attagctaaa actgctttga gttgttgga 540
tgattaagag attgccattt ttatcttgga agaactagtg gtaaaacatc caagagcact 600
aggattgtga tacagaattt gtgaggtttg gtggatccac gcccctctcc cccacttcc 660
catgatgaaa tatcactaat aaatcctgta tatttagata ttatgctagc catgtaatca 720
gatttattta attgggtggg gcaggtgtgt atttacttta gaaaaaatga aaaagacaag 780
atttatgaga aatatttgaa ggcagtacac tctggccaac tgttaccagt tggtatttct 840
acaagttcag aatattttaa acctgattta ctagacctgg gaattttcaa catggtctaa 900
ttatttactc aaagacatag atgtgaaaat tttaggcaac cttctaaatc tttttcacca 960
tggatgaaac tataacttaa agaataatac ttagaagggt taattggaaa tcagagtttg 1020
aaataaaact tggaccactt tgtatacact cttctcactt gacatttttag ctatataata 1080
tgtactttga gtataacatc aagctttaac aaatatttaa agacaaaaaa atcacgtcag 1140
taaaatacta aaaggctcat ttttatattt gttttagatg ttttaaatag ttgcaatgga 1200
ttaaaaatga tgatttaaaa tgttgcttgt aatacagttt tgcctgctaa attctccaca 1260
ttttgtaacc tgttttattt ctttgggtgt aaagcgtttt tgcttagtat tgtgatattg 1320
tatatgtttt gtcccagttg tatagtaatg tttcagtcca tcatccagct ttggctgctg 1380
aaatcataca gctgtgaaga cttgcctttg tttctgttag actgcttttc agttctgtat 1440
tgagtatctt aagtactgta gaaaagatgt cacttcttcc tttaaggctg ttttgtaata 1500

tatataagga ctggaattgt gtttttaaag aaaagcattc aagtatgaca atatactatc 1560
tgtgtttтca ccattcaaag tgctgtttag tagttgaaac ttaaactatt taatgtcatt 1620
taataaagtg accaaaatgt gttgtgctct ttattgtatt ttcacagctt tgaaaatctg 1680
tgcacatact gtttcataga aaatgtatag cttttgttgt sctatataat ggtggttctt 1740
ttgcacattt agttatttaa tattgagagg tcacgagttt ggttattgaa tctgttatat 1800
actaaattct gtaaagggag atctctcatc tcaaaaagaa tttacatacc aggaagtcca 1860
tgtgtgtttg tgttagtttt ggatgtcttt gtgtaatcca gccccatttc ctgtttccca 1920
acagctgtaa cactcatttt aagtcaagca gggctaccaa cccacacttg a 1971

<210> 186
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 186
aataacaatg taattatttt yggcakascc ttgcctgact tctgaggacc tcactaagtc 60
tagttctagc ctttgtagaa tggtcaactt ctttcatcaa ggctttggtt tcattactgg 120
tgtctgaatt agttccactc ctagcttgac ccagatttta gtttttatta tggatttttt 180
cttcaaactt gtttatttaa tattaagttt tcatttttgg cagcatatgg atgattttat 240
ttttaataat catatctctt agtaaactaa tggktaaata atattaaagt ataagaggct 300
aaaattgggc caggtgtggt ggctcacgcc tgtaaatccc cgcactttng ggnggctgag 360
gcaggn 366

<210> 187
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<400> 187
aattcggcac gagaaagagt tgccaaaaat aaaaaatatt attgtaaggt aaaaaatttc 60
ataaatgggc ctaatagtgg gatggatata actgaaaact aagatggtga tgaggaagac 120

agtcaagaat aaatatacca aagtagcaaa gaaatacctg tgcaagtaga atagcttgct 180
tcaaacagat gagatttgtc ctcccaacat caaaacatat cacaaaacta cagtaattaa 240
gtcccttttga ggccagcact gactgggrta agcaaatagr taaatgggat gtaacaggcc 300
ttatttcaac taataggttg ttcaccactc ctagttggtt ncctgtttcc 350

<210> 188
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 188
aattcggcac gagtgtaaac acctttnata caaatgccat catcccattt ttactgatta 60
gaaaaacttt gctattaata ggtgcaaagt ccatttcagg tataattggt aaggaactga 120
gtgcactcat gggaagaaac cttgttttgt tttttgttcg cttttcttct tatccccttt 180
tctcagtttt atggctggag acatgattta ttgcagccat ccatcttggg ggctcatcca 240
tcacacccgg gttgctagga gattgtggca gcagctgttt gctctgaatc agacagaaaa 300
gttgtcaatc atcaaaggca ggtgaatagc attagaaaca cgstattgtc agacggaata 360
attaatcaaa gagag 375

<210> 189
<211> 365
<212> DNA
<213> Homo sapiens

<400> 189
tcagacaaaa attctgtgga cagctgcgag gaattcactt ttcctctgaa actcatagcc 60
ctctcctgaa tacatatggt gtgcactaac acttgccatt atctgaaact catagcccta 120
tcctgaatgc atatgctgta ggttaccact tgccattgga ggtcttggag gccatatcct 180
gtaggagcag ggtagccatg ggacttaact actattatcc cccaaaaatg ttgtgtttgt 240
gaattcacct gactgaggaa tccctaawta ttcatcagat atttcaaaag grtccatgtt 300
ccmaagragg rggtttagta ttgatttttg gttgggtttg ttttatttga ggcagtgggg 360
gatga 365

<210> 190
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (791)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (801)
<223> n equals a,t,g, or c

<400> 190
ggcacgaggt taattttgaa acttatgctt aagatttaac cagggcagag gcatatttca 60
gcataaataa tgttgccatt ataaactctt atccttccta tctcaacagg aaatgagcaa 120
ttattgcttc atgcttcaat gcactgtttt aaaatactgt ttaatttgtt aaaggtgtga 180
actgtttaat ttatctcaca cgtttttta aacaaatact gattggacat gcgctgcacg 240
ccaggctttg ggcttggtac ctcagggttc tcacagggga ggctggaagt ggaaacaagc 300
acatgtgtaa ctgttgtgta gacagtctaa ttggtagaaa atcagcgaac aaagaagcag 360
acaaattaga aaatgaacgt aaggtgatgt gctaaaaaga gggtagccat tatgtcagtg 420
tccttcagag aaggtagcac tcctgagac cggaatggca gaaagaagtc catcctgcct 480
agcccagctt ggacttgtgg agaagcaggc tgataaaaga accaaatatt gtacattttg 540
aagaagttgc ccgctgactt gagagagagg tgttgcgttt caggtgctga atgtccttat 600
aaaaagttga atatttcgag catctctatc aatacatttg aatgctgaga gcttttcctt 660
ccagaagctc atgtcatttt caacacacac ttctatttac ctttatgtag tttctaaaaa 720
ttgaaaacca gaattggagg ttttttaaa aaaaaaaaaa aaaaaagccg aggkgggnaa 780
agtamaaatg ngcctkwgcc ntttcctttc cccgtcc 817

<210> 191
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<400> 191
aattagaaag tccaaagtcg acccaaatgg atattatggg cagaagtatg gtagagcaat 60
ccaaacaatt gggattatga atgggaaggt tgtaaacccc atattatttg cgtgtacgaa 120
ggaagaatcc tgtgacaagc acttactcca aaatgagtct acagttatac caagtggata 180
gtagaactta tctactggat ttccgtagta ttgatgatga aattacagaa gccaaatcag 240
ggactgctac tccacagaga tcgggatcag ttagcaacta tcgatcttgc caaaggagtg 300
attcagatgc tgaggctcaa ggaaaatcct cagaagtttc tcttacctca tctgtgacct 360
cacttgactc ttctcctgtt gacctaactc caagacctgg aagtcacaca atagaatttt 420

ttgagatgtg tgcaaatcta attaaaattc ttgcacaata aacagaaaac tttgcttatt 480
tctttttgcag caataagcat gcataataag tcacagccca atgcttccca ttgtaatcca 540
agttatacct aatttttaac cgggggttng ggntttngga ttgcaatttg 590

<210> 192
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 192
ggcacgagaa ataaccagct gacagcatga cgacaggata aaatccacac ataccattac 60
taaccttaaa tgaaaatggg ctaaatgctc ccattgaaag acacggggca agctggataa 120
agaaccaaga cccactggag tatgctgtct tcaagaaacc catctcacat gcggtggcat 180
acataggctc aaaataaagg aatggagaaa aatatttcaa gcaaatggaa aacagaaaaa 240
agcaggtgtt gcactcctac tttctgacaa aacagrctwt gcggnttaaa ggtkaaaaaa 300
gnggaagg 308

<210> 193
<211> 343
<212> DNA
<213> Homo sapiens

<400> 193
aattcggcac gaggcctgga gaacctatgg tgattttcct gggcctgctc attgcccacc 60
attgaaccaa tcagcacaca tgtcctctct tctgagccca taaaaaccct ggactcagcc 120
agactcacac agacatcagg actaccagct gcgggaagga gctagccatc tcaggtctcc 180
ttgaatcatc cagatgacct gcctgtggaa aggagctacc catcacaggt ctacttcctg 240
atgagaactg gacattcttg ggatgacttg cctgcagaaa ggagcgacat attttgggtc 300
tyctgagagc tgttctgttg ctcaatgaag ttccttcatg cag 343

<210> 194
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 194

aattcggcac gagaggtgat atacatgata cattctcaag agttgcttga ccgaaagtna 60
caaggacccc aaccccttttg tcctctctac ccacagatgg ccctgggaat caattcctca 120
ggaattgccc tcaagaactc tgcttctttgc tttgcagagt gccatggtca tgtcattctg 180
aggtcacata acacataaaa ttagtttcta tgagtgtata ccatttaaag aatttttttt 240
tcagtaaaag ggaatattac aatgttggag gagagataag ttatagggag ctggatttca 300
aaacgtggtc caagattcaa aaatcctatt gatagtggcc attttaatca ttgccatcgt 360
gtgcttgttt catccagtgt tatgcacttt ccacagttgg acatggtgtt agtatagcca 420
gacgggtttc attattattt ctcttttgctt tctcaatgtt aatttattgc atggtttatt 480
ctttttcttt acagctgaaa ttgctttaaa tgatggttaa aattacaaat taaattgtta 540
atttttatca atgtgattgt aatttaaaaat attttgattt aaataacaaa aataatacca 600
gattttaagc cgtggaaaat gttcttgatc atttgcagtt aaggacttta aataaatcaa 660
atgttaacaa aaaaaaaaaa aaaagtcgac 690

<210> 195
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 195
tggaatctgg ctagaaagca gtaataaaca gaaatctgta tatgtttgga aaaagtaaat 60
ctcaatggaa atcagaaaat attttgaact gaaatttggt gatgaaaata ctatatatgg 120
aaacttgtgg gatatattat agctaaagct gtgttagagg aaatttagag ccttacataa 180
atacatatat tataaaaggg aaaatattaa aagttaatgg anctaaggca tccatct 237

<210> 196
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<400> 196
cccgagagta gacacatctt agtatgtact cagctttggg caaaanatag atggcgtcac 60
cttttcttcgc atgctgagct ccatagtaga ttgaggactt gggttggaag cagtaaggta 120
attgccaaag ccccattatc aggtgggtac acatagagct tttgggagga acagatgcca 180
taagttatca gtttagtctt accttctctt tagagggaaa agaagttgga gaaagcgtct 240
gcagctaaca aaaggtactg nccttgg 267

<210> 197
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 197
attgccaatg ataaaatttg aactttcaag caaaaatgca aattttggaa aatgtgttat 60
ttctgccact gagaacataa cagcatacca acacttttag acttttttact tttatattgt 120
ataatgaatg catcaacatt tggatgatct gtattacagg tgaaccaaca ttttccagta 180
ttagtggtgg ggaatgaccg tgtcwgaagg cttgaccagg atggggatag ctcaaggagg 240
caggatggct cattgcttat gtcttcttca ggaacacaat gaagtaggtt gagtttccag 300
gatttggccc ctgcattggg gatggttgga ggaaaggcca aaaacctagg ttcttycags 360
ccatgggctt taaaaaacgt ggtacttttt aaggaacagg gttcanggca ggggtgtttt 420
tggggctagg gttaaggaaa atg 443

<210> 198
<211> 208
<212> DNA
<213> Homo sapiens

<400> 198
gaaaatgtgc ctttttcagt tgtcacagmt ggggaatgtt actggcatcc ggtgggtaaa 60
ggctagggat gctgctagac attctacggt gcacaggaca acccccacaa caaagaatta 120
tctagcccaa aatgtcaaca atgctgaggt tgagaagycc taggaaacta aaacagtgtg 180
ggggtttgta atttattgga aaccatgt 208

<210> 199
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 199
attggttttg gccatgacac tgatttcctg gaggcaaggt gctgcttcya ttcaggaatg 60
ggggtgcatg actgccctga gcagccaagg agccaattct ttaggaggct gagtgccatt 120
tcagctcaag ccttcacggg gcagggccaa aagcaacttn gaggggtggg tggagcatct 180
tccactgcag cttggcccca agaaataggw tgtagcagca gytcagcttg tgggatggtg 240
cgcaacaatt tggggggg 258

<210> 200
<211> 893
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (870)
<223> n equals a,t,g, or c

<400> 200
aggggtagtt tccacaatct aatccgggtg ccatcagagt agagggagta gagaatggat 60
gttgggtagg ccatcaataa ggtccattct gggcagtatc tcaactgccg ttcaacaatc 120
gcaagaggaa ggtggagcag gtttcttcat cttacagttg agaaaacaga gactcagaag 180
ggcttcttag ttcatgtttc ccttagcgcc tcagtgattt tttcatggtg gcttaggcca 240
aaagaaatat ctaaccattc aatttataaa taattaggtc cccaacgaat taaatattat 300
gtcctaccaa cttattagct gcttgaaaaa tataatacac ataaataaaa aaatatattt 360
ttcatttcta tttcattgkt aatcacaact acttactaag gagatgtatg cacctattgg 420
acactgtgca acttctcacc tggaatgaga ttggacactg ctgccctcat tttctgctcc 480
atgttggtgt ccatatagta cttgattttt tatcagatgg cctggaaaac ccagtctcac 540
aaaaatatga aattatcaga aggattatag tgcaatctta tgttgaaaga atgaactacc 600
tcactagtag ttcacgtgat gtctgacaga tgttgagttt cattgtgttt gtgtgttcaa 660
atttttaaat attctgagat actcttgtga ggtcactcta atgccctggg tgccttggcc 720
agtttttagaa ataccagttg aaaatatttg ctcaggaata tgcaactagg aaggggcaga 780
atcagaattt aagctttcat attctagcct tcagtcttgt tcttcaacca tttttaggaa 840
ctttcccata aggttatgtt ttccmgcccn rggsatgggg ggtcattggg gcc 893

<210> 201
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 201
aaactcactg gctgaaggag gaaattttag aaggaagcta ctaaaagatc taatttgaaa 60
aactacaaaa gcattaacta aaaaagttta tttyctcttt gtctgggcag tagtgaaaat 120
aactactcac aacattcact atgtttgcaa ggaattaaca caaataaaag atgccttttt 180
acttaaacac caagacagaa aacttgccca atactgagaa gcaacttgca ttagagaggg 240
aactgttaaa tgttttcaac ccagttcatc tggtggatgt ttttgcaggt tactctgaga 300
attttgctta tgaaaaatca ttatttttag tgtagttcac aataatgtat tgaacatact 360
tctaatcaaa ggtgctatgt ccttgtgtat ggtactaaat gtgtcctgtg taccttttgc 420
acaactgaga atcctgcagc ttgggtttaa tgagtggggt catggaataa ttatgggggn 480
atgtaaaaaa aanaaaagag ggg 503

<210> 202

<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 202
catgtgatca tttatgtgta tacagagtaa ttataaaatg tttgctgtgt acaaaactat 60
tttattagtg gattttaaat acattaaatg ggtatatata gtatatatga tctaggagta 120
tatataggga actctaacaa atttataata tttatttttt aaaagaatga ccaaacatgg 180
caaaatatta ctatgagtta gatctggaca gtggatgcaa gggtcttcat tatgttattg 240
tctgattttg tgttgaactt atttcacaat gcagaggaaa aaatagtctt ggctcatcct 300
tagatatcac tgttcataga gccagtcacc aggacgatcc cacntttttat ggtgggccag 360
gcattgggag tccagagccc atcacccaac naccaagtga cgggtgggga cnctggtgag 420
cctgnaaagg gggccatc 438

<210> 203
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (804)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (835)
<223> n equals a,t,g, or c

<400> 203
cggcgatata tactaaattc gcgcgtgact tcatgagtag tagtgaatac aatcttcctg 60
cttctaagct tgtgtctact agaatgtctt ccccctaaaa gatatatttg aatgtttccc 120
atgtttcttc tagtacttta atgcgtttca ttttcataty gaaatcattg atctacttct 180
agtttykgat acaamatgtg agccaggaaa cccagttttt aaatttcaaa tagctgtcca 240
ggtgtccctg cacctcttat gcatgagccc tcgctttgtg ccaatgtgga gtgcccgcct 300
gctcacacgt gcccatgtgg agtgcccgcc tgctcatgtg cccatgtgga gtgcccgcct 360
gctcacacat gycgatgcgg agtgcccrcc tgctcacaca tgcccatgtg gagtgcccgc 420
ctgctcacac gtgcccatgt ggagtgcccg cctgctcaca cacgtgtcca tgtggagtgc 480
ccacctgctc atgtgcccat gtggagtgcc cacctgctca catgtgccga tgtggagtgc 540
crcctgctca cacacgtgcc catgtggagt gcccgcctgc tcacrygtgc cgatgcggag 600
tgcccgcctg ctcacacgtg ccgatgcgga gtgcccgcct gctcacacgt gccgatgcgg 660
agtgcccgcc tgctcacacg tgcccatgcg gagtgcccgc ctgctcacac gtgccgacgc 720
ggagtgcccg cctgctcaca cgtgccgacg cggagtgccc gcctgctcac acgtgccnac 780
gcggantgcc cgcctgctca cacntgccga cgcggantgc ccgcctgctc acacntgccc 840
atgtggagtg ccgcctgctc acgttgccga tgtgga 876

<210> 204
<211> 1504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1468)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1494)
<223> n equals a,t,g, or c

<400> 204
tgtnytccmt gtgcnacaac cygcygcaga ctggggcccy tctcagttaa ttgggtttca 60
caagcaataa tttctccaca acaaaaacca caacttgaag tgagttgaaa agagatcaat 120
agtggaaaca gtcgcctcag tacttttttct ttctggattt catctctaga aatttgaagt 180
gtttgagaca gagtccaccc tttgtgcaag gcgagaacca atgaatggac tccttgtgtg 240
aattattgca tcttcttcca aagcaggttc atcaagactt tcacagagat tcatttttgt 300
tgagaagtaa gggttaatag gaggatagaa tttggatcca aatctagtga taaaagtgtc 360
caagcaatca aaaagtaaga tattttaggg acatactaac atcttccctt tctgctaatt 420
tcatgctcca aagatatrgc aaaaaaaaaa atcataaaaa gtgcttttgc cctacttgtg 480
ttctagtttt cccatggcag aattttgtaa ttacatccag aatatagtgt atattttgtt 540
cctcaaactt tattacattg gatggatatt gttgractgg ggcactggtg cctatattca 600
aggctctttc ctatcaacgt gtctgtccac gatttgttgt gtttaaagct tcattttgaa 660
aaatcactgt ccccctgtgg gtagtgactg tattgttttg ttcatgtcta tgtgggacac 720
attgcatcac atggcaaacc aactctctgt ggatgtgaga taagtactta taaaaccagc 780
ttgaaaacat cgtcttatgt attatgtcat cctgcatcat aatgcaatta tgtgtatcat 840
aacatgctca tttaaaaaaa gagaaaccag caaattcatg tttgtccata gaagaatgta 900
ctcagaactt tgtgttgtga aacgatgaga acagaccacc tttaagatac ccacctgcca 960
cttaaaatga cttagttata attagtagta gtctagacgt tgttcttggt gtgtgggggt 1020
caattctaac gtcatgttct tttgaataaa tctctcagtc atatttgaaa aaaaaataca 1080
tgggaataaa gaaaaatatc atctttggcc aaatcaagca ggcatctttt ttcttttcct 1140
tgacgtttag ctcattatac gtggtgattg gatcacgaga tctgtccgtg tgaaaatata 1200
gaaacatcct ttagtttaca aaacagttat tctaggcttg aagcctctgg aacagcaaat 1260
tgaatagatg ggctgcatct gatttgcttt atggatgtaa ttttacaaaa cactcttggg 1320
tctctgaccc cagggagtta agagtgccca gaggaggtcc tacacattaa aggataaagc 1380
cccccagtga tgctggcagc aaatgtgttg agttcttaaa tcttccattt ggkttttctgk 1440
ttcaggtttt taattgcaat ggattttntt tcccccgttt tttcttaagg gccncatttt 1500
ccca 1504

<210> 205
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 205
agtcttgttc ctaatgcact tgtccacatc gtatgtcatt acaagtnctt ccccttcttt 60
aaccagaggg catagaattg gggcttagtg tgtcctaaac aagctaaaag attccacctg 120
tagaatcata aaatgagagt ctcacacagt ttcatgctac tttttgtctc ttcagcaagg 180
aacggttgct gggattgtca gtgaccaggc atgtctggat agcttcacac atacacataa 240
tgcccggttc acctcagccc acacatgttc tagaagtagc cacttgccaa gtgtcagtgt 300
tcagtctaaa cagcaaatgg gttaaccaca tgaacagcac tggcccatgt gagaatggtg 360
tgaaggcctc ctttgtacca ttttccattt ctctaactca catgtgtagt ctcagcactg 420
cagaggacag atttgtttgt gccctctgag actggttggt tggttggttg gttagttttg 480

ttttatgaat cctaaaattt gtcttggsct gttaaaaaaa aaatt 525

<210> 206
<211> 2494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2485)
<223> n equals a,t,g, or c

<400> 206
caaagaaaca ttggaaacaa tttctaatga agaacaaaca cctcttctta aaaagattaa 60
cccaaccgaa tctacttcca aagcagaaga aaatgaaaaa gttgattcaa aagtgaaagc 120
tttcaagaaa ccattgagtg tatttaaagg ccccttacta cacatcagcc cagcagaaga 180
actgtacttt ggaagtacag aatccggaga gaagaaaacc ttaatagtgt tgacaaatgt 240
aactaaaaat atagtggcat ttaaggtgag aacaacagct ccagaaaaat acagagtcaa 300
gccaagcaat agcagctgtg acccgggtgc atcagtggat atagttgtgt ctccccatgg 360
gggtttaaca gtctctgccc aagaccgttt tctgataatg gctgcagaaa tggaacagtc 420
atctggcaca ggcccagcag aattaactca gttttggaaa gaagttccca gaaacaaagt 480
gatggaacat aggttaagat gccatactgt tgaaagcagt aaacccaaca ctcttacgtt 540
aaaagacaat gctttcaata tgtcagataa aaccagtgaa gatatatgtc tacaactcag 600
tcgtttacta gaaagcaata ggaagcttga agaccaagtt cagcgttgta tctggttcca 660
gcagctgctg ctttccttaa caatgctctt gcttgctttt gtcaccttct tcttctattw 720
attgtacagt taaagaagtg gtgccgggta ggaaccacgg ttccttcgtc cattagttgg 780
aaaagtaaca gacctaaaac tctaccaagc tactaaaamc attgcacatc tgtgcttcct 840
aaaagcaaat atgcagcacg tggaggggaa cacatacatg tcttgaaaat aaactgctag 900
aataaagaaa tgctggagaa attgattata agagactata gctatttagt aaagtaagta 960
aaggcatatc cattgtgtaa attaatagtt taaatataat ttatttttte cttttgatct 1020
gaatactttt aaagcttaag ttttatcgtg taaatacatt agctaaactg aaaagtataa 1080
gtaacatgct ttgttgcagc caaaaaatgt aatctgcttt tttatgacag aattattata 1140
gctgagctga cttactagct tttctatact atgtatatag aagaacatgt atattgagaa 1200
agaaaacata cttatataga ggaatttatg taaccatgac tttgtaattt tgagaattcc 1260
tcccagtgat ggtcagtatt cttttggaat gtaaaccgat ttaatgccaa accacctaa 1320
cctttgtttc tcagtgttcc ttaacagcct gccttttatt aatctcaggc ttttttatga 1380
acactctcat ttcagtagaa tttggaaaac taagcgtggt tggaatttct ttgaattctg 1440
ttagtaatgc ccaaaagaaa agtctcaagc agtccccctа tccagtcatt tttatggagt 1500
ttcatgttgt ccactatagc tggcacactga accttttgcc taatttatta taaaggcctg 1560
accctctatt gtcccatctt caccccccatt ccagagcaga ggagtctctg tggaccatga 1620
attgcactgt ctcccтcctc atttctaaat gaaaggtatt agatataaat ttttttgaaa 1680
ggttagttgc ttgagatgct aagcaggata ataaatttag attttaaaat gttccctgta 1740
aaagtcagcc catgacaagg aaatttacaa aatactagag tatctagaag ggtgaaaaca 1800
aaaaaaaawa aaaaraaaca cagacgccca ggtgtcagct ctccgtttaa agaatgaaaa 1860
atgtaactca tgatgatctg tgaaaccttc aaactaggac caattgactt acttgatatt 1920
ctgcctttga tatggtagta cccacccggt attcctaaaa tcctaaaaag atacaccttg 1980

cagtagcaga ggcaatgaca tgagtttgtt ttctcattaa tatgaccagt ttgggtctat 2040
gttggttcac atgtacatct actttatatg aaagaaaaaa cagttgtctg cctgtaaaat 2100
gttgagtttc gattgagcca tgtttggaga ttttattact attctgaagg gtagtgttgt 2160
tggttttcat cttcaagaag ttgattccaa aactgagtta tgaagaatga tataacagtt 2220
ccttcaaaat tggcctagga aataaaacct taaaaggaca ctggtgtgct actttgtctt 2280
aatttgggct tttctgtttc agtttgccac ctccagctgt gaaatggact gcagtccacc 2340
ctaagtactg tgcacagtat ctccctgtgt gtgtgcacag tggcttcccc ttacatggta 2400
gatttttggc cttaatataa tctaatccca aagtagttgt gtatgtttte tgttccttgg 2460
caataaaatg naggaataat ttagnccaag attg 2494

<210> 207
<211> 880
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (864)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (865)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (868)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (878)
<223> n equals a,t,g, or c

<400> 207
gggcacgagc tttgacccat tcaaggatgt ctctgcctgg agaactagat cctgactcag 60
tggcagcata ggttctcccc cagggtggtg ctgaacttca gctcagaagc agcctggacc 120
ccatcttacc tccagataag gtgttttagg tactctgttg ccagtgttag tgcaacttag 180
tttaaaaata gaggacttgt tcacagtatg ctctaagtct cacactggag ttttgtgcaa 240
cataaagtag gtgattttgg agcagagcga agtctagaaa tttgccttaa attatttgtg 300
gtactctaga gaacgtggta tgtgtatgtg tgtatgtgtg tttgaatata ggaactagtt 360
cattgaacgt tagattgttc taagaccaga attagattaa aaatgcataa catattaagt 420
attaaaaagt gtttatattg tatatgaatt ttttgcggta agtttagctt ggcattttag 480
gttttaattg atgcttaatc tgttaaaatg atgtactgta ttttaaagta ttctaattgt 540
gcttttttgt accatcttca gtatgaaaaa tgtcagtatt tagttccttt ctcaggcaca 600
attagatttt tattgacatt gttttccccc ttaactcatg taattagtca tagcaaccaa 660
gagtcaagag agtgattacc agccaattaa gaaaaatgtg accaagcaga ttgcagagta 720
caataaaacc atcgtggatg ctttacatag catcagcgga aactgagttt aagtccactg 780
aaagtctcta aggaagtatc ctcttgctgc taaacttggt acaagttgac taccaaaaaa 840
aaaaaaaaaa agccgaggkg ggcnngtncc aagggccntg 880

<210> 208
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 208
tnagngaatg gacttggctc tgtaaaggat ggggaacctc acttcgtggt ggtccactgc 60
acaggctaca tcaaggcctg gccccagcag gtgtttccct cccagatgat gacccagcct 120
gaggtcttcc aggagatgct gtccatgctg ggagatcaga gcaacagcta caacaatgaa 180
gaattccctg atctaactat gtttcccccc ttttcagaat agaactattg gggtgaggat 240
aaggggtggg ggagaaaaaa tcactgtttg tttttaaaaa gcaaatcttt ctgtaaacag 300
aataaaagtt cctctccctt cccttccctc acccctgaca tgtacccccc ttcccttctg 360
gctgttcccc tgctctgttg cctctctaag gtaacattta tagaagaaat ggaatgaatc 420
tccaaggctt ttaggactgt ctgaaaattt gaggctgggt gaagttaaaa caccttttcct 480
tatgtctcct gacctgaaat tgtatagtgt tgatttgtgc tgagatcaag aggcaggtta 540
gawgaaccctg acatccactg yttgccttgg atagtatggc ttgwttttgg aaagaaattc 600
tgaagagwgt ggaaggagag gagaaatgtc ctcatatttg 640

<210> 209
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 209
ttgagcactt tctatctact agtcactgtg atacagtata agtaaagtgg gttgtctcat 60
ttaatattca gaataaccac atgangtatg anctgccatt atctttcccc tttgtacaaa 120
tgaggaaagt gaggctcaca gaagttaatt ggcccagggt cccacaacta gtcagtgcag 180
aggtggggra acataaccag atttgttcgg catgkaactt gtgccaaatt tcctccaaag 240
ttcttcaaag ggcaaggcat gtttatttta tcccaattta ggcataccaa caactttaat 300
act 303

<210> 210
<211> 1168
<212> DNA
<213> Homo sapiens

<400> 210
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cactctgaaa tccagtcagt gtgcctcact agacttttcg atttcaagat tttctgcaga 120
aaatgttttg aaaactttga atacttaaaa atggcaggtg tagtattgca ctttgctagt 180
tgctcagata ccctttttta tttgtataga tattctgagt tccttttttt ttctacatgt 240
tgtacgttgt cgaaagctaa aaggaaactt atccttggat cacggaaggc agaggcattt 300
ggtgagatgg aaacaaggat gtgtaaaaat gagacgacca cctctcggat taaaaaaaaa 360
aagtgccaga gttctagggt tctaagtgat gtccaggaag gaggaggaat aatatttatg 420
gagcatatat tatggaacac agcaatcagg atgagtgaaa aattgatttg cagctgacct 480
gcaaatggaa tcatcaggaa catccctttc tcatggagtc ccttaattta caagttaact 540
gcaaacatag gagatgatag ttccaagaag gaacatttta tcgtcttttgt ttttaatctc 600
aagaatggta cctaccatca gtgaatgacc tgttgcagtg ctttcattga agtgttcttc 660
gttccctcag caatatgatt gtgatgactg aaaaagggaa actgtgccac tatttgtacc 720
atcattttca ccaaaatcta aaaatgcttt ttatgacgta tggagacatt cttcatgttt 780
gtttcagtgg acactccttg cagatgtaaa aaactgagaa aactcacttt tggaaagtga 840
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tttcastaat cacagggtaa atataaaatt gattcattaa aaatgtttca taagaattca 1080
aaggacatag aattttgtga aatgtagtat ttttacttaa gtgcctttac tctgcttcta 1140
ccccacagcc aatttttat aaaccagt 1168

<210> 211
<211> 3133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3069)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3085)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3114)
<223> n equals a,t,g, or c

<400> 211
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aaggccagtg cccagcttga aggttctgtc acctttgca gtggtccaaa tgagaaaaaa 120

gtggaaaatg ggaggcatga aatacatctt ttcgttgttg ttctttcttt tgctagaagg 180
aggcaaaaca gagcaagtaa aacattcaga gacatattgc atgtttcaag acaagaagta 240
cagagtgggt gagagatggc atccttacct ggaaccttat gggttggttt actgcgtgaa 300
ctgcatctgc tcagagaatg ggaatgtgct ttgcagccga gtcagatgtc caaatgttca 360
ttgcctttct cctgtgcata ttcctcatct gtgctgccct cgctgcccag aagactcctt 420
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acatggagag ctgttctgtag ctgaagggct ctttcagaat cggcaaccca atcaatgcac 540
ccagtgcagc tgttcggagg gaaacgtgta ttgtggtctc aagacttgcc ccaaattaac 600
ctgtgccttc ccagtctctg ttccagattc ctgctgccgg gtatgcagag gagatggaga 660
actgtcatgg gaacattctg atggtgatat cttccggcaa cctgccaaca gagaagcaag 720
acattcttac caccgctctc actatgatcc tccaccaagc cgacaggctg gaggtctgtc 780
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ttcaccagcc acc 3133

<210> 212
<211> 680
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<400> 212
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ttttgtgttt ggaacacttg gttccatgaa aagtatgctt tgtgttttaa ctgttaaaat 180
aatttaaaaa ttaattattt tacataatta aagaagttaa aaactattaa cattaaataa 240
tttcacaatt tcaacatgtc aaacctatga agggagatag gaaacaatga gaaacttact 300
tttgctcctt tatacagrat tattaactat attttactaa ctaaaaaact ctagtattct 360
ttacctaaag tcaattggct ggtaagaggg agagatgcaa aattctccag ctctgaacttt 420
ggagctactt cacactctac tcttaatgga aacttgaact aatgatagat agtatttyyy 480
tcctctattt aaaatttttg tcttgattag gagattttyc agtttctcca tataaattaa 540
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ttttttagga ggngggggttc ttggctccgg tcaccagggg cggggagtgg cgtggggccn 660
ggatccaggg gcttcaccgg 680

<210> 213
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 213
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ttgtataaac catagtaagg gatgggagta atgatgttat ctgtgaaaat agccaccatt 120
tacccgtaag acaaaacttg ttaaagcctc ctgagtctaa cctagattac atcaggccct 180
ttttcacaca caaaaaaatc ctttatggga tttaatggaa tctgttgttt ccccctaagt 240
tgaaaaacaa ctctaaaaca ctttaaagta ccttcttggc ctgggttaca tggttcccag 300
cctaggtttc agacttttgc ttaaggccmg taatytyaga aaaaaatttc caaatacatg 360
gacagagcgg aaaacataaa gaagtacttg gaccaagaaa aaagaagatg gaaaatatca 420
caagcaaatt aaaatagaan aaaatgcaac aggtttcagt tatgaatcac tttttcgcga 480
attaccttaa tgaaacagtt accgaagttt tgggatagaa aaatccttta ttttaaaact 540
tactcctcca gcttgttata act 563

<210> 214
<211> 2636
<212> DNA
<213> Homo sapiens

<400> 214
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gcattacgat ttcagctgaa gaaataaaag ataatagagt ggtcttgttt gaaatggaag 120
ccagaaaact ggataataag gatctatttg gaaagtcaga cccatacctg gaattccaca 180
agcagacatc tgatggaaac tggctaatgg ttcatcggac agaggttgtt aaaaacaact 240
tgaatccygt ttggasgcct ttcamgatct ctcttaactc actgtgttmc ggagatatgg 300
acaaaaccat taaggtggag tgttatgatt atgacaatga tgggtcacat gatctcattg 360
gaacatttca gaccaccatg acaaaactga aagaagcctc cagaagctca cctgttgaat 420
tkgaatgcat aaatgagaaa aaaaggcaaa agaaaaaaag ctacaagaat tcaggtgtta 480
tcagtgtgaa acagtgtgag attacagtag aatgcacatt ccttgactat ataatgggag 540
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ctttttttt taagarttga atttcttttc ctgactttta ccttttacag cgtattactt 2580
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<210> 215
<211> 1822
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1816)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1821)
<223> n equals a,t,g, or c

<400> 215
cttagtgaac attacatttt cagaatagat cctaatattt tattgagggc ctatgtgcta 60
aaaactatgc atatctatat attggccaat tatctttaat aatttacctt ttgaaattgc 120
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ggtggcaaaa aaaacnactg na 1822

<210> 216
<211> 3127

<212> DNA
<213> Homo sapiens

<400> 216
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caaaaaattc ttctagtcct ttccttgaca atgtggtatg aagtaatcta tattggtgaa 2940
aggatgtcac atttggtgta ctcttaggca acaaactaag aaaaaaccct gtgcaggcag 3000
ggacctgagg agttattaac gatcgggaag atttcagggc ggatgaaact ctcctacaaa 3060
gaagggccaa accggccgca gccatgtttt cgcataactc cctttctgtc gtcttctcgc 3120
agccgta 3127

<210> 217
<211> 1529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<400> 217
cactgcgctg tgcccgcgca tccacgaggt gccctgctg gagccccttg tgtgcangaa 60
gatcgcccag gagcggctca cagtcctcct gttcctggag gactgcatca tcactgcctg 120
ccaggagggc ctcatctgca cctgggmccg gccgggcaag gcgttcacag acgaggagac 180
cgaggcccag acaggggaag gaagttggcc caggtcaccc agcaagtcag tggtagaggg 240
catctcctcc caaccaggca actccccgag tggcacagtg gtgtgaagcc atggatatcg 300
ggccccccca accccatgcc cccagcctcc tagccataac cctccctgct gacctcacag 360
atcaacgtat taacaagact aaccatgatg gatggactgc tccagtcccc ccacctgcac 420
aaaatttggg ggccccccag actggcccgg acacgggnga tgtaatagcc cttgtggcct 480
cagccttgtc ccccacccac tgccaagtac aatgacctct tcctctgaaa catcagtgtt 540
accctcatcc ctgtccccag catgtgactg gtcactcctg gggagasact ccccgcccct 600
gccacaagag ccccaggtct gcagtgtgcc cctcagttga gtgggcaggg ccgggggtgg 660
tccagccctc gcccggcccc caccccagct gcccttgcta ttgtctgtgc ttttgaagag 720
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aagttccctg ttttctcagc gggtctgtcc ccttcggagg agatgatgta gaggacctgt 840
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gccccgactt ccactctgga gaaccgtcca ccctggaaag aagagctcag attcctcttg 1260
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ttggggtctc gtttgcccag ggagggcttg gctccaccac tttcctcccc cagcctttgg 1440
gcagcaggtc acccctgttc aggctctgag ggtgcccccc cctggtcctg tcctcaccac 1500
cccttcccca cctcctggga aaaaaaaaa 1529

<210> 218

<211> 1100
<212> DNA
<213> Homo sapiens

<400> 218
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ggatcctttc tataccaacg wcmggagcat cttgactctc tccacaatgg actcatctac 120
ttgttaaagg ggcagtagta ctttgtggga gccagttcac ctcctttcct aaaattcagt 180
gtgatcaccc tgttaatggc cacactagct ctgaaattaa tttccaaaat ctttgtagta 240
gttcataccc actcagagtt ataatggcaa acaaacagaa agcattagta caagcccctc 300
ccaacacccct taatttgaat ctgaacatgt taaaatttga gaataaagag acatttttca 360
tctctttgtc tggtttgtcc cttgtgctta tgggactcct aatggcattt cagtctgttg 420
ctgaggccat tatattttaa tataaatgta gaaaaaagag agaaatctta gtaaagagta 480
ttttttagta ttagcttgat tattgactct tctatttaaa tctgmttctg taaattatgc 540
tgaaagtttg ccttgagaac tctatttttt tattagagtt atatttaaag cttttcatgg 600
gaaaagttaa tgtgaatact gaggaatttt ggtccctcag tgacctgtgt tgktaattca 660
ttaatgcatt ctgagttcac agagcaaatt aggagaatca tttccaacca ttatttactg 720
cagtatgggg agtaaattta taccaattcc tctaactgta ctgtaacaca gcctgtaaag 780
ttagccatat aaatgcaagg gtatatcata tatacaaatc aggaatcagg tccgttcacc 840
gaacttcaaa ttgatgttta ctaatatttt tgtgacagag tataaagacc ctatagtggg 900
taaattagrt actattagca tattattaat ttaatgtctt tatcattgga tcttttgcat 960
gctttaatct ggttaacata tttaaatttg ctttttttct ctttacctga aggctctgtg 1020
tatagtattt catgacatcg ttgtacagtt taactatatc aataaaaagt ttggacagta 1080
aaaaaaaaaa aaaaaactc 1100

<210> 219
<211> 1792
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<400> 219
ccgtggggag cgtggcgtca gggggcccgc gcggcgcagt ccccctcag catcccgaac 60
agcagcagcg tcccgtacgg ctcgcaggac tcggtgcaca gcagccctga ggacggcggc 120
ggcggcgsgg accgcmtggg cgggaccggc gggccgcgcc tggtgatcgg ctccttacca 180
gctcacctct cgccgcacat gtttggagga tttaagtgcc ctgtatgctc aaaatttgta 240
tcctcagatg aaatggattt gcatcttgta atgtgtttaa caaagccacg aataacctat 300
aatgaggatg tactgagtaa agatgctggg gaatgtgcaa tatgccttga agaattgcag 360
cagggagata ctatagcacg actgccttgt ctatgcatat atcataaagg ctgcatagat 420
gaatggtttg aagtaaatag atcttgccct gagcaccctt cagattaagc gtcannttcc 480
tgttttatag gttttcttgt cttgacaaga tgcttgaaaa accaagagga yatgaaaatc 540
tgtctctgga gaaacaaaga cgcaggcata ctcagccaga aatctgagtt ttgtgagact 600

tggtaataca gagatggaca atcgtactgg ggtaaaaaaa ccctgctgaa gagaggacag 660
tgaccacaga actcagtgta ccaaacatgc atacaaagga cacacaggga ttttgaaaat 720
gctgcacatc ccttaatagt catctacata ggtaatactg ataaacattt tgtattcaga 780
cgccaaagtt aactgattta aaagttgatt tacttttttat taagttctcc agagctgcac 840
aactagttat gttttgattt gttttgtttt ttaatttggg gtctctttgc tttccccaac 900
ataatgttca taatgtttct gcattcatct gttcttaaat tgaaaaacat ataatttact 960
tcttataaat tgaagtctta aatgtgaaac caagaaatgt aatcaagcag taaaaacatc 1020
tgaatgtaga ccatgatctc aagttcttcc attttctccc ccacgagtgg aaaatagact 1080
tctacatagg aaagctaaaa tatgttaata tttttaaatt aaaggtttaa tatcagaatg 1140
cagtccaaag agcaaatcat attacataat tacattttaa ttaaatatag aatattctac 1200
tgaattgcaa tttattaaat attcttatcc tcttaaataa aactgctcaa cagttaatca 1260
gcagtgaatc atcttgcagc tatgcaattt aaaaaaaata cagattacca atttcaagtg 1320
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tgtaaactta agaaaagggt aaaataaaat tttctggaga ggaacttgga atttgaggga 1500
gattttatat acctttaaaa actgtaattt aattgggatg ccaggtttat agcaatttgc 1560
aacttttaatt ttccagataa tctggaggtt agcatttgat aaatgatttt ttaaagtaga 1620
tatgaagatt ttgttaattt ataatttatt catgtgttat tactgtaatt gaaaatgtta 1680
tagacacttt taaattcagt ttgtgtagaa agaaatgtgt taaacaaaat tatgttaata 1740
aatattcccm cataataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1792

<210> 220
<211> 1310
<212> DNA
<213> Homo sapiens

<400> 220
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cgggaaaccc agccccgtca ccgggctccg agcggctcgc aggcgacgac acgkcctcag 120
ccccggcagc gccyagcgkc ggctgcggaa agcggaggga gtccgacgcg ggcgcgggcg 180
gggagcgtgc gtccgttcgc acaggcagcg ggaggagggg cggcgcgaac catggccggg 240
gacagcgagc agaccctgca gaaccaccag cagcccaacg gcggcgagcc cttccttata 300
ggcgtcacgg gggaacagct agcggcaagt cttccgtgtg tgctaagatc gtgcagctcc 360
tggggcagaa tgaggtggac tatcgccaga agcaggtggt catcctgagc caggatagct 420
tctaccgtgt ccttacctcg gagcagaagg ccaaagccct gaaggsccag ttcaactttg 480
accaccccgga tgcctttgac aatgarstca ttctcaaaac actcaaagaa atcactgaag 540
ggaaaacagt ccagatcccc gtgtatgact ttgtctccca ttcccggaag gaggagacag 600
ttactgtcta tcccgcagac gtggtgctct ttgaagggat cctggccttc tactccagcg 660
aggtacgaga cctgttccag atgaagcttt ttgtggatac agatgcggac acccggctct 720
cacgcagagt attaagggac atcagcgaga gaggcaggga tcttgagcag attttatctc 780
agtacattac gttcgtcaag cctgcctttg aggaattctg cttgccaaca aagaagtatg 840
ctgatgtgat catccctaga ggtgcagata atctggtggc catcaacctc atcgtgcagc 900
acatccagga catcctgaat ggagggccct ccaaacggca gaccaatggc tgtctcaacg 960
gctacacccc ttcacgcaag aggcaggcat cggagtccag cagcaggccg cattgacccg 1020
tctccatcgg acccagccc ctatctccaa gagacagagg aggggtcagg aggcactgct 1080
catctgtaca tactgtttcc tatgacatta ctgtatttaa gaaaacacca tggagatgaa 1140
atgccttga ttttttttt ctttttgtac tttggaacga caaaatgaaa cagaacttga 1200
ccctgagctt aaataacaaa actgtgccaa ctactactgg tgatgcctaa ttatgaatcc 1260
aacgtgtaac cagttataaa tacatatata tataaaaaag gaaaaaaaaa 1310

<210> 221

<211> 1369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1347)
<223> n equals a,t,g, or c

<400> 221
ggcacgagga atgtttggtt tgggaaatga gtttaaaccc ctcaatgtac aggaaaggga 60
agcacagttt ggaacaacag cagagatata tgcctatcga gaagaacagg attttggaat 120
tgagatagtg aargtgaaag caattggaag acaaaggttc aaagtccttg agctaagaac 180
acagtcagat ggaatccagc aagctaaagt gcaaattctt cccgaatgtg tgttgccttc 240
aaccatgtct gcagttcaat tagaatccct caataagtgc cagatatttc cttcaaaacc 300
tgtctcaaga gaagaccaat gttcatataa atggtggcag aaataccaga agagaaagtt 360
tcattgtgca aatctaactt catggcctcg ctggctgtat tccttatatg atgctgagac 420
cttaatggac agaatcaaga aacagctacg tgaatgggat gaaaatctaa aagatgattc 480
tcttccttca aatccaatag atttttctta cagagtagct gcttgtcttc ctattgatga 540
tgtattgaga attcagctcc ttaaaattgg cagtgctatc cagcgacttc gctgtgaatt 600
agacattatg aataaatgta cttcccttg ctgtaaacaa tgtcaagaaa cagaaataac 660
aaccaaaaat gaaatattca gtttatcctt atgtgggccg atggcagctt atgtgaatcc 720
tcatggatat gtgcatgaga cacttactgt gtataaggct tgcaacttga atctgatagg 780
ccggccttct acagaacaca gctggtttcc tgggtatgcc tggactgttg cccagtgtaa 840
gatctgtgca agccatattg gatggaagtt tacggccacc aaaaaagaca tgtcacctca 900
aaaattttgg ggcttaacgc gatctgctct gttgcccacg atcccagaca ctgaagatga 960
aataagtcca gacaaagtaa tactttgctt gtaaacagat gtgatagaga taaagttatc 1020
taacaaattg gttatattct aagatctgct ttggaaatta ttgcctctga tacataccta 1080
agtaaacata acattaatac ctaagtaaac ataacattac ttggagggtt gcagtttcta 1140
agtgaaactg tatttgaaac ttttaagtat actttaggaa acaagcatga acggcagtct 1200
agaataccag aaacatctac ttgggtagct tggtgccatt atcctgtgga atctgatatg 1260
tctggtagca tgtcattgat gggacatgaa gacatctttg gaaatgatga gattatttcc 1320
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<210> 222
<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (699)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<400> 222
tgcgagaaga cgacagaagg ggagagactt gagggaggcg ctgcgactga caagcggctc 60
tgcccgggac cttctcgctt tcatctagcg ctgcactcaa tggaggggcg ggcaccgcag 120
tgcttaatgc tgtcttaact agtgtaggaa aacggctcaa cccaccgctg ccgaaatgaa 180
gtataagaat cttatggcaa gggccttata tgacaatgtc ccagagtgtg ccgaggaact 240
ggcctttcgc aagggagaca tcctgaccgt catagagcag aacacagggg gactggaagg 300
atggtggctg tgctcattac acggtcggca aggcattgtc ccaggcaacc gggtgaagct 360
tctgattggt cccatgcagg agactgcctc cagtcacgag cagcctgcct ctggactgat 420
gcagcagacc tttggccaac agaagctcta tcaagtgcca aaccccacag gcttgcttcc 480
cccgagacac ccattcttac ccaaggtgcc caccctttcc cttacccaaa aaatcaaggg 540
ggaaattttt acccaaaggt tcccccaact ttnggcccaa cgggnaaccc ccaaaggana 600
caaaggaggg gtattattca gggttgcccc acccanttaa ggttgcaagg aggaaaggca 660
ttttgggggg ggaacccagg tttggggccc ccaacgttng ggtataaaaa agggttgttt 720
ccaggaggag gattgggcaa agttgttcct attttctttg gttaggagcc tntttaacaa 780
aacccagctt gt 792

<210> 223
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (851)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (885)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (895)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (911)
<223> n equals a,t,g, or c

<400> 223
gccccctctg cagtaccccc gcccctcttc tcccaccaca atgagatcct aagatggcgg 60
tggctgcggc ggttggcgct gcgtactgag gtcgaaaagg cggccactgg ggccgaggca 120
gccaggaaac gtgtgggcct ctctgctgcg gtctccgagg gccgaccgct gccggcggcg 180
ggtcgtgggg gctgactgtc gctctgcctt tgacaggaga ggctgcttct tgtagaggaa 240
acagctttga agtgtggagc gggaaaggag cagtttctga gctgcaaaaa ctagtttcta 300
aacagagagt taattgttaa atccagtatg gccacaggag gaggtccctt tgaagatggc 360
atgaatgatc aggatttacc aaactggagt aatgagaatg ttgatgacag gctcaacaat 420
atggattggg gtgcccaaca gaagaaagca aatagatcat cagaaaagaa taagaaaaag 480
tttggtgtag aaagtgataa aagagtaacc aatgatattt ctccggagtc gtcaccagga 540
gttggaaggc gaagaacaaa gactccacat acgttcccac acagtagata catgagtcag 600
atgtctgtcc cagagcaggc agaattagag aaactgaaac agcggataaa cttcagtgat 660
ttagatcaga gaagcattgg aagtgattcc caaggtagag caacagctgc taacaacaaa 720
cgtcagctta gtgaaaaccg aaagcccttc aacttttgc ctatgcagat taatactaac 780
aaggagcaaa ggtgcatttt acaagtcccc caaacagagg aaacggttgg gttcagcaca 840
gtgttaaagg nttgttttgc tttctggttt ttaagtaatt gaccnctttg gccanacttt 900
tccgggtgtt ntgaaggagg t 921

<210> 224
<211> 1979
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1949)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1953)
<223> n equals a,t,g, or c

<400> 224
ggcgccgccc aagcgccaga cgcgagctgg gaaaagggag gcagaggagg cggaggcaga 60
ggcagaggca gagccccggtg ccgagaccaa gcgacagacc ggcggggctg ggcctcgcaa 120
agccggctcg gcgagctctc ccgacacccg agccggggag gaaaagcagc gactcctcgc 180
tcgcatcccc gggagccgca ctccagactg gcccggtagt caggggctca ggagcagatc 240
ccgaggcagg ctttgctcag cctccgacga gggctggccc tttggaaggc gccttcaaca 300
gccggaccag acaggccacc atgaccgaga attccacgtc cgcccctgcg gccaagccca 360
agcgggccaa ggcctccaag aagtccacag accaccccaa tgattcagac atgatcgtgg 420
ctgccatcca ggccgagaag aaccgcgctg gctcctcgcg ccagtccatt cagaagtata 480
tcaagagcca ctacaaggtg ggtgagaacg ctgactcgca gatcaagttg tccatcaagc 540

gcctggtcac caccggtgtc ctcaagcaga ccaaaggggt gggggcctcg gggtccttcc 600
ggctagccaa gagcgacgaa cccaagaagt cagtggcctt caagaagacc aagaaggaaa 660
tcaagaaggt agccacgcca aagaaggcat ccaagcccaa gaaggctgcc tccaaagccc 720
caaccaagaa acccaaagcc accccggtca agaaggccaa gaagaagctg gctgccacgc 780
ccaagaaagc caaaaaaccc aagactgtca aagccaagcc ggtcaaggca tccaagccca 840
aaaaggccaa accagtgaaa cccaaagcaa agtccagtgc caagagggcc ggcaagaaga 900
agtgacaatg aagtctttgc ttgcggacac tccctcctgt ctcctatttt ctgtaaataa 960
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agttgtgcaa ggacagcaac aaccaatcta atgatgagaa tgtacttata ttttgttttg 1140
ctattaacct acttacgggg ttagggattt gcgggggggc ttgtgtgttt tgttggcttg 1200
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gagagggaac ccaggaattg tgaggttagc aggaatatct ttagggtgag tgagttttcc 1320
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gggagcagcc agccggcaaa ggaaggaggt ggaaaaaaac cgccaccggg ctgacttcca 1440
cctcccagtg gtgagcagtg ggggcccaaa cccagtttcc ttctcatttt tgttagtttg 1500
ccctttcggc ctccctattt tcttagggaa ggggagtggg gtccaagtga cagctggatg 1560
ggagaagcca tagtttctcc cagtgcagct aggatgtagc catgggggga tctttgtggc 1620
ttcagcaaat tctcttgtta aaccggagtg aaaacttcag gggaaggggtg gggagtcagc 1680
caagtgcctc agtgtgccct gttgaaactt aggtttttcc acgcaatcga tggattgtgt 1740
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cttggtttgg tggggctgcg gccacttaaa acctcccgat ctcttttgga gtccttttt 1860
taaacaagtg ttacttgtgc cgggaaaatt ttgctgtctt tgtaatttta aaactttaaa 1920
ataaattgga aaagggaraa aaaaaaagna aanaaaaaaa aaaaaaaaa aaaaaaaaa 1979

<210> 225
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 225
tcgacccacg cgtccgccca cgcgtccggg aaacaggaga tcgtggatcc tccttcaaaa 60
atggaggatg gaaagcccgt ttgggcgcca caccctacag atggatttca gatgggcaat 120
attgtggata ttggccccga cagcttaaca attgaaccct tgaatcagaa aggcaagaca 180
tttttggctc tcataaacca agtgtttcct gcagaagagg acagtaaaaa agatgtggaa 240
gataactgtt cactaatgta tttaaatgaa gccacactgc tccataatat caaagttcga 300

tatagtaaag acagaattta tacatatgtc gccaacattc tgwttgcagt gaatccatac 360
tttgacatac ctaaaatata tcttcagagc ataaagtcat atcaaggaaa atctcttggg 420
acaagaccac ctccaggtct ttgcaatttgc tgataagcct ttcgggacct ggaaggtgcc 480
ccaagatgag tcagtctaac catggnatcc nggagaatcc aggggccggg gnaaaccagg 540
a 541

<210> 226
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 226
tcgacccacg cgtccgtgaa taagcaatct ggcctttgag ggggctgttg cggtacagac 60
aattctgtgg agcggcttcg gcggctccga ggagaagcaa tatgttaagg atacctctaa 120
gaagggcctt agtangcctt tctaataagt cttccaaagg atgtgttcga acaactgcca 180
cagcagcaag caacttratt gaagtatttg ttgatggtca rtctgtcatg gtggaaccrg 240
gaackacygt cctccaagct tgtgagaagg ttggcat 277

<210> 227
<211> 2069
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2026)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2042)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2050)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2061)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2062)

<223> n equals a,t,g, or c

<400> 227
gggtcgaccc acgcgtccgg gcgacattag ctagcgctcg ctctactctc tctaacggga 60
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aactttcgct cacacaaagc cgggaaaatt ttattagtcc ttttttaaa aaaagttaat 180
ataaaattat agcaaaaaaa aaaaggaacc tgaactttag taacacagct ggaacaatcc 240
gcagcggcgg cggcagcggc gggagaagag gtttaattta gttgattttc tgtggttgtt 300
ggttgttcgc tagtctcacg gtgatggaag ctgcacattt tttcgaaggg accgagaagc 360
tgctggaggt ttggttctcc cggcagcagc ccgacgcaaa ccaaggatct ggggatcttc 420
gcactatccc aagatctgag tgggacatac ttttgaagga tgtgcaatgt tcaatcataa 480
gtgtgacaaa aactgacaag caggaagctt atgtactcag tgagagtagc atgtttgtct 540
ccaagagacg tttcattttg aagacatgtg gtaccaccct cttgctgaaa gcactggttc 600
ccctgttgaa gcttgctagg gattacagtg ggtttgactc aattcaaagc ttcttttatt 660
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gcacagtgct tgcttcgccc cagaagattg aaggttttaa gcgtcttgat tgccagagtg 1260
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attaaagttt ttcttccatg agttgagtcc ttaagaaaat gattccagtt actcattttg 1920
catatttgct attttaacat tattggaccc tgcatttata gtcctttgat ttcttccctc 1980
tccctggtgt ctccccaag accccaaata aagcaatata ctgttnaaca aaaaaaaaaa 2040
angggggcn gccctagggg nnccaagct 2069

<210> 228
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 228
ttccagtcag cggctgcagg gtcgggctcg cgccgtcctc tccccgcccg cgccgkattc 60
taatgtagga actggtgaga agaaggtgac tgaagcctgg atttctgagg atgaaaactc 120
acataggacg acgtcagaca gactcacggt gatggagctc ccctctcccg agtctgagga 180
agtccacgag cccagattag gggagctctt gggaaatcca gaaggtcaga gcctggggag 240
ttccccctct caggacaggg gctgcaacag gtgacagtga cccattngaa gatccagaca 300
ggagagacag ctcaagtgtg caccaagtca ggaagaaacc atatttctgaa atcagacttc 360
ttctggcttc anagagagct ccttagaagg gggaagccat tccttgcgat atcctgtngg 420
gaaaccttca cgtttaattc ggacctaaat aaggcatcgg antttcgcat c 471

<210> 229
<211> 1640
<212> DNA
<213> Homo sapiens

<400> 229
tcgacccacg cgtccgatgg cgactttggt cgaactgccg gactcggtcc tgctcgagat 60
cttctcttac ctcccgggtc tgtmaccgct ggaagaggct ggtggacgac cggtggctgt 120
ggcgacatgt cgacctgacg ctctacacga tggcgaccta aagtcatgtg gcacctcctt 180
cgaaggtaca tggcatcccg gctccattcc ctgcggatgg gtggctacct gttctctggc 240
tcccaggccc cccagttgtc ccctgctctg ttgagagccc tgggccagaa gtgccccaac 300
ctgaagcgcc tctgcctgca cgtggccgac ctgagcatgg tgcccatcac cagcctgccc 360
agcaccttga ggaccctgga gctgcacagc tgcgagatct ccatggcctg gctccacaag 420
cagcaggacc ccaccgtgct gcccctgctt gaatgcatcg tgctggaccg cgtcccgcc 480
ttccgtgacg agcacctgca gggcctgacg cgcttccggg ccttgcgctc gctggtgctg 540
ggtggtacct accgtgtgac cgagacaggg ctggatgctg gcctgcagga gctcagctat 600
ctgcagaggc ttgaggtgct gggctgcacc ctgtctgccg acagcaccct gctggccatc 660
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gtcaccccag aaatgcctc ccccactgaa atcctctcct cctgcctcac tatgcccaag 840
ctcagagtcc ttgagctgca ggggctgggg tgggagggtc aggaggcgga gaagatcctg 900
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cagaccctct gagcagcacc ttgaagaggg cagataatca gacttgagga aactgaaagc 1080
cccaggttga gagaacagag gcctagggac ctccagacca ttggaatcac tgtttgccag 1140
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gaaggggtgg ggttaagact caggggcacc tgagggtctg agccccctta tgagtaccca 1380
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taaaagtgct caattatatt ttctgtattt tgtatgctgt attttccaag acgtatatta 1560
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aaaaaaaaaa aaaaaaaaaa 1640

<210> 230
<211> 1970
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1952)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1963)
<223> n equals a,t,g, or c

<400> 230
cngncccgag cccagagcgc cggcggcccg actcccggcc gccccttctc ttctcctcgc 60
cggcccgaga gcaggaacac gataacgaag gaggcccaac ttcattcaat aaggagcctg 120
acggatttat cccagacggt agaacaaaag gaagaatatt gatggatttt aaaccagagt 180
ttttaaagag cttgagaata cggggaaatt aatttgttct cctacacaca tagatagggt 240
aaggttgttt ctgatgcagc tgagaaaaat gcagaccgtc aaaaaggagc aggcgtctct 300
tgatgccagt agcaatgtgg acaagatgat ggtccttaat tctgctttaa cggaagtgtc 360
agaagactcc acaacaggtg aggagctgct tctcagtgaa ggaagtgtgg ggaagaacaa 420
atcttctgca tgtcggagga aacgggaatt cattcctgat gaaaagaaag atgctatgta 480
ttgggaaaaa aggcggaaaa ataatgaagc tgccaaaaga tctcgtgaga agcgtcgact 540
gaatgacctg gttttagaga acaaactaat tgcactggga gaagaaaacg ccactttaaa 600
agctgagctg ctttcactaa aattaaagtt tggtttaatt agctccacag catatgctca 660
agagattcag aaactcagta attctacagc tgtgtacttt caagattacc agacttccaa 720
atccaatgtg agttcatttg tggacgagca cgaaccctcg atggtgtcaa gtagttgtat 780
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gattatcaag caagagccga tggaattaga gagctacaca agggagccaa gagatgaccg 960
aggctcttac acagcgtcca tctatcaaaa ctatatgggg aattctttct ctgggtactc 1020
acactctccc ccactactgc aagtcaaccg atcctccagc aactccccga gaacgtcgga 1080

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agaagtgaat tcctctgsct tgscacacaa gctccggrtc aaagccaaag ccatgsagat 1260
caaagtagaa gcctttgata atgaatttga ggccacgcaa aaactttcct cacctattga 1320
catgacatct aaaagacatt tcgaactcga aaagcatagt gccccaagta tggtacattc 1380
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tgaaatgaaa gacagtggct acaaagtttc tgacccagag aacttgtatt tgaagcaggg 1560
gatagcaaac ttatctgcag aggttgtctc actcaagaga cttatagcca cacaaccaat 1620
ctctgcttca gactctgggt aaattactac tgagtaagag ctgggcattt agaaagatgt 1680
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aagattagat tgtgttatca ctctgcctgt gtatagtcag atagtccatg cgaaggctgt 1860
atatattgaa cattattttt gttgttctat tataaagtgt gtaagttacc agtttcaata 1920
aaggattggt gacaaacaca gaactcctgc tncattgcat tgntttgatg            1970
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<210> 231
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 231

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gcgagactcc gtctcaaaac aaaacaaata aaaaaaacaa acagtatttt ttaggaattc 60
attttatttt aaattttgta aggaggagtt acaaaaagac aaatactaca tatgattcca 120
cttgtcatac ctagagtcaa attcatggag acagaaagta gaaaggtggt taccagcggc 180
tgggaaggag agaatgtgga gtttaatggg tatagaattt tagttttgta aggtgaaatg 240
agttctggag attggttgca cnaacagtgt gaatatactc aacactactg aactgtanac 300
ttaaaatgat                                                        310
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<210> 232
<211> 2833
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1399)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (2828)
<223> n equals a,t,g, or c

<400> 232
ggcagaggcc agggccaagg ccgaggcggc agggctgcga gaggcggcgg cacgacgacg 60
gtccctcagc ccagccacca tgagcaccaa gcagatcact tgcaggtatt ttatgcatgg 120
tgtgtgtcgg gaaggaagtc agtgcctatt ctcacatgac ttggcaaaca gcaaaccgtc 180
caccatctgc aagtactacc agaagggcta ctgtgcctat ggaactcggt gcagatatga 240
ccacacgagg ccctctgctg cagctggagg tgctgtgggc accatggccc acagtgtgcc 300
ctccccagct ttccacagtc ctcaccctcc ttccgaggtc actgcatcca ttgtgaaaac 360
taactcacat gaacccggaa agcgtgaaaa gagaacattg gttcttagag accgaaatct 420
ctctggcatg gctgaaagga agacccagcc gagcatggtg agtaatccag gcagctgcag 480
cgaccccag cccagccccg agatgaagcc gcattcctac ctggatgcca tcaggagtgg 540
ccttgatgac gtggaggcca gcagctccta cagcaacgag cagcagctgt gcccctacgc 600
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aatctgtagg ctgcaagtyt tgcacccatt cgacccagag cagaggaagg ctcacgaaaa 720
gatctgcatg ttgacgttcg aacacgagat ggaaaaggcc tttgccttcc aggcaagcca 780
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gcggtgtgcc aaacagtttg aaaacccaat cattaagtct tgtccagaat gccgtgtgat 960
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gattgaagct ttcaaacagg ggatggggaa aaaagcctgt aaatactttg agcaaggcaa 1080
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acagagcttt caagaacaca caatgcaaag tgagcgcaca tagctgttaa caaacataca 1860
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cagggtgaca atcttgttgc cacatgtgca gcaaacaaag tggaagtata gatcttcttc 1980
tcccttaggg aggctcttga aggagcagga ggtacagtac tgggtagcag tctggccctc 2040
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gtttacaaag agtacaaagg ttaaattaca aattcattcc cagcctaggc tctgggcaca 2580
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gctcagaatt actttaaaag gaggtaacag ccagccatta cacctaaatt taatttattt 2700
tattaaaata acataattga gggaccatca gataactgta ttttgtcagg tgcaataaaa 2760
acaaaattaa aacccaaatc atcaagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2820

aaaaaaanaa aaa 2833

<210> 233
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<400> 233
ggcagaggtc caacgtagac agtggtctca tkcactccat aggcttaggt taccacaagg 60
atctccagac aagagctaca tttatggaag ttctgacaaa aatccttcaa caaggcacag 120
aatttgacac acttgcagaa acagtattgg ctgatcggtt tgagagattg gtggaactgg 180
tcacaatgat gggtgatcaa ggagaactcc ctatagcgat ggctctggcc aatgtggttc 240
cttgttctca gtgggatgaa ctagctcgag ttctggttac tctgtttgna ttctcggcat 300
ttactctacc aactgctctg gaacatgttt tctaaagaag tagaattggc agactccatg 360
cagactctct tccgaggcaa cagcttggcc agtaaaataa tgacattctg tttcaaggta 420
tatggtgcta cctatctaca aaaactcctg grtcctttat tacgaattgt gatcacatcc 480
tctgattggc aacatgttag ctttgaagtg gatcctacca gkttagaacc atcagagagc 540
cttgaggaaa accagcggaa cctccttcag atgactgaaa agttcttcca tgccatcatc 600
agttcctcct cagaattccc cctcaacttt cgaagtgtgt gccactgttt ataccaggca 660
acttaccact ccctactgaa taaagctaca gt 692

<210> 234
<211> 1353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1020)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1255)
<223> n equals a,t,g, or c

<400> 234
ggcacgagcc gatagctgct tcgggattgg cgtccgggcg gctatctagg ggctgctggg 60
aagatggcgg actcggtggc tagccgatga ggaggccgcg gggggaaccc ggccccgggg 120
ccccgagacc gactgaggga gcgacctgcg cagggcccgg ggagtcatgg tctccatcac 180
ccaactccat gcttcgagtc ctgctctctg ctcagacctc ccctgctcgg ctgtctggcc 240

tgctgctgat ccctccagta cagccctgct gtttggggcc cagcaaatgg ggggaccggc 300
ctgttggagg aggccccagt gcaggtcctg tgcaaggact gcagcggctt ctggaacagg 360
cgaagagccc tggggagctg ctgcgctggc tgggccagaa ccccagcaag gtgcgcgccc 420
accactactc ggtggcgctt cgtcgtctgg gccagctctt ggggctctgg ccacggcccc 480
ctcctgtgga gcaggtcaca ctgcaggact tgagtcagct catcatccga aactgcccct 540
cctttgacat tcacaccatc cacgtgtgtc tgcaccttgc agtcttactt ggctttccat 600
ctgatggtcc cctggtgtgt gccctggaac aggagcgaag gctcgcctnc cctccgaagc 660
cacctccccc tttgcagccc cttctccgag gtgggcaagg gttggaagct gctctaagct 720
gccccgtttt tctgcggtat ccacggcagc atctgatcag cagcctggca gaggcaaggc 780
cagaggaact gactccccac gtgatggtgc tcctggccca gcacctggcc cggcaccggt 840
tgcgggagcc ccagcttctg gaagccattg cccacttcct ggtggttcag gaaacgcaac 900
tcagcagcaa ggtggtacag aagttggtcc tgccctttgg gcgactgaac tacctgcccc 960
tggaacagca gtttatgccc tgccttgaga ggatcctggc tcgggaagca ggggtggcan 1020
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ccccagtccc cgcctcccca caggcacccc tcatgctctg attgtgcgtc gctanctctc 1260
cctgctggaa aaggccgtgg agctggagtc ccaggataac ggggtccccg gctttcccga 1320
aggcagcaag ttgccatttt cccagctttc atc 1353

<210> 235
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<400> 235
ggcacgagca ggatccaaaa tggcagcgct gtcgccttag ctgggagagc gagccgttgt 60
ggctgtttgg gagacttatg gtcaccctga agtactgcct gcctctagtg tcgcgtccct 120
ccagtatccg atggggagcgc cgtccgcagg naatgtgtct ctctgatcat ggtgcctcgt 180
gtccagctct ggggaagacc gagacgaaat cgagtcagct ggcgttggga gagggcttat 240
ttccgcttcc gcttgcccac tttcaggaat ttgattctga gagcagggct gcggttccag 300
gcagggtttg tacacatatt tgcgttggaa ggaaaaaaag aaccta 346

<210> 236
<211> 2271
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 236
gtcagaggct ggaaagtggg gactgtattg gggtgctgga ttgtgaatgg tgcatggtgg 60
acagtgatgg aaagactcac ctggacaaac cctactgtgc cccccagaaa gaatgcttcg 120

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gggggattgt gggagccaaa agtccctacg ttgatgacat gggagcaata ggtgatgagg 180
tgatccacatt aaacatgatt aaaagcgccc ctgtgggtcc tgtggctgga gggatcatgg 240
gatgcatcat ggtctttggtc ctggcggtgt atgcctaccg ccaccagatt catcgccgga 300
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<213> Homo sapiens

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<222> (492)
<223> n equals a,t,g, or c

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<222> (3024)
<223> n equals a,t,g, or c
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (879)
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<211> 139
<212> DNA
<213> Homo sapiens

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<222> (137)
<223> n equals a,t,g, or c

<400> 242

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tagggactag ggatcgncg 139

<210> 243
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 243
gctcgtgccg aattcggcac gaggcagttt ttgaaagttt gaaattaagt aaaaattaaa 60
agtcacaaaa gattttgcat gtcaagattc tagccttttt cttctggtgt actgagaggc 120
cagaggagcc cattctaggg actaagtatt gacagaattt ggttctgtgg caagaattac 180
ctggtgtcct agcactaagg accagtaggt cagagccctt gacttagatt tcaggacaag 240
aaacagaaag attggaatag gattgraatg gagtctcccc gtgattttaa aaaacactta 300
statggggcc asgcgcrckg tggctcaacg cctgtaatcc cagcactttg ggaggccaag 360
atgggtggat catgaggtca ggagatcgag accgtcctgg ctaacatggt gaaaccccgg 420
ctctactaaa aatataaaaa aattaacccg gccgtggtgg cngggcgcct gtagtccca 479

<210> 244
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 244
tgggatatct ccggagcatt trgataatgt gacagttgga atgcagtgat gtcgactctt 60
tgcccaccgc catctccagc tgttgccaag acagagattg ctttaagtgg caaatcacct 120
ttattagcag ctacttttgc ttactgggac aatattcttg gtcctagagt aaggcacatt 180
tgggctccaa agacagaaca ggtacttctc agtgatggag aaataacttt tcttgccaac 240
cacactctaa atggagaaat ccttcgaaat gcagagagtg gtgctataga tgtaaagttt 300
tttgtcttgt ctgaaaaggg agtgattatt gtttcattaa tctttgatgg aaactggaat 360
ggggatcgca gcacatatgg actatcaatt atacttccac agacagaact tagttttctac 420
ctcccacttc atagagtgtg tgttgataga ttaacacata taatccggaa aggaagaata 480
tggatgcata aggaaagacm agaaatgtcc agaagattat cttagaaggc acagagagaa 540
tggaagatca ggtcagagta ttattccaat gcttactgga gnng 584

<210> 245
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 245
ggcacagcgt tcacccgaca gtgttcacag ggcccatggt acagagcacg gagcagggtc 60
ccccaggttg tgcgcttgcc agggccacat cttgagcctt cgctctgctc cttcgagagc 120
cgctgctgcc ccaccccaat ccccaaccag ccacccccтc ctgcctccct gccatctgtc 180
cctttcatcc tccctggcgt gccaagcgcc tgccatggca ccgcctgtta cctancccag 240
ctacaaatgc cagccttgaa tctgccctgg antcccttcc tctaccangt aaacagcctt 300
aactcagccc tgccactccc tgctctgaag ct 332

<210> 246
<211> 1617
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 246
cccgagatcc ctttcccaga gtgctctgcg ccgwgaagaa gcggctcccg gggactkggg 60
gcattttgtg ttggctggag ctggagtaac aagatggcgt cgtccgcgga gtgacagggg 120
tcccctctgg ccggagccgg cggcagtggt ggcagcggta tcgccgccct agctcaccgc 180
gcccctttтc cagcccgcga cgtcgccgcg caagnaggca gcggcggccg ccgagaaaca 240
agtggcccag cctggtaacc gccgagaagc ccttcacaaa ctgcggcctg gcaaaaagaa 300
acctgactga gcggcggtga tcaggttccc ctctgctgat tctgggcccc gaacccggt 360
aaaggcctcc gtgttccgtt tcctgccgcc ctcctccgta gccttgccta gtgtaggagc 420
cccgaggcct ccgtcctctt cccagaggtg tcggggcttg gccagcctcc atcttcgtct 480
ctcaggatgg cgagtagcag cggctccaag gctgaattca ttgtcggagg gaaatataaa 540
ctggtacgga agatcgggtc tggctccttc ggggacatct atttggcgat caacatcacc 600
aacggcgagg aagtggcagt gaagctagaa tctcagaagg ccaggcatcc ccagttgctg 660
tacgagagca agctctataa gattcttcaa ggtggggttg gcatccccca catacggtgg 720

tatggtcagg aaaaagacta caatgtacta gtcatggatc ttctgggacc tagcctcgaa 780
gacctcttca atttctgttc aagaaggttc acaatgaaaa ctgtacttat gttagctgac 840
cagatgatca gtagaattga atatgtgcat acaaagaatt ttatacacag agacattaaa 900
ccagataact tcctaatggg tattgggcgt cactgtaata agttattcct tattgatttt 960
ggtttggcca aaaagtacag agacaacagg acaaggcaac acatacctaa cagagaagat 1020
aaaaacctca ctggcactgc ccgatatgct agcatcaatg cacatcttgg tattgagcag 1080
agtcgccgag atgacatgga atcattagga tatgttttga tgtattttaa tagaaccagc 1140
ctgccatggc aagggctaaa ggctgcaaca aagaaacaaa aatatgaaaa gattagtgaa 1200
aagaagatgt ccacgcctgt tgaagtttta tgtaaggggt ttcctgcaga atttgcgatg 1260
tacttaaact attgtcgtgg gctacgcttt gaggaagccc cagattacat gtatctgagg 1320
cagctattcc gcattctttt caggaccctg aaccatcaat atgactacac atttgattgg 1380
gacaatgtta aagcagaaag cagcacagca ggcagcctct tccagtgggc agggtcagca 1440
ggcccaaacc cccacaggca agcaaactga cmaaaccaag agtaacatga aaggttagta 1500
rccaagaacc aagtgacgtt acagggaaaa aattgaatmc aaaattgggt aattcatttc 1560
taacagkgtt agatcaagga ggkggtttta aaatacataa aaatttggct ctgcgtt 1617

<210> 247
<211> 1449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1447)
<223> n equals a,t,g, or c

<400> 247
cgcggggctg gtagcggccg gagccgtgcg akttctctac cctgcttcgc gagcgggcga 60
gagaacgcga gtcccaggat ccccggcacc casttctctt ccactgcatt cccccggcgc 120
gtgtgggacc gaggtggaca tggatccgca gaggtccccc ctattggaag taaaggggaa 180
catagaactg aagagacctc tgattaaggc cccttcccag ctgcctctct caggaagcag 240
actcaagagg aggcctgacc agatggaaga tggcctggag cctgagaaga aacggacaag 300
aggcctgggt gcaasgacca aaattaccac atcccaccca agagttccat ccctcactac 360
agtgccacag acacaaggcc agaccacagc tcaaaaagtt tccaagaaga caggaccccg 420
gtgttccaca gctattgcca cagggttgaa gaaccagaag ccagttcctg ctgttcctgt 480
ccagaagtct ggcacatcag gtgttcctcc catggcagga gggaagaaac ccagcaaacg 540
tccagcctgg gacttaaagg gtcagttatg tgacctaaat gcagaactaa aacggtgccg 600
tgagaggact caaacgttgg accaagagaa ccagcagctt caggaccagc tcagagatgc 660
ccagcagcag gtcaaggccc tggggacaga gcgcacaaca ctggaggggc atttagccaa 720
ggtacaggcc caggctgagc agggccaaca ggagctgaag aacttgcgtg cttgtktcct 780
ggagctggaa gagcggctga gcacgcagga gggcttggtg caagagcttc agaaaaaaca 840
ggtggaattg caggaagaac ggaggggact gatgtcccaa ctagaggaga aggagaggag 900
gctgcagaca tcagaagcag ccctgtcaag cagccaagca gaggtggcat ctctgcggca 960
ggagactgtg gcccaggcag ccttactgac tgagcgggaa gaacgtcttc atgggctaga 1020
aatggagcgc cggcgactgc acaaccagct gcaggaactc aagggcaaca tccgtgtatt 1080
ctgccgggtc cgccctgtcc tgccggggga gcccactcca cccctggcc tcctcctgtt 1140
tccctctggc cctggtgggc cctctgatcc tccaacccgc cttagcctct cccggtctga 1200
cgagcggcgt gggaccctga gtggggcacc agctccccca actcgccatg atttttcctt 1260
tgaccgggta ttcccaccag gaagtggaca ggatgaagtg tttgaagaga ttgccatgct 1320
tgtccagtca gcctggatg gctatccakt atgcatcttt gcctatggcc agacargcag 1380
tggcaagacc ttcacaatgg agggtgggct gggggagacc ccarttggaa gggctgatcc 1440

ctcgggncc 1449

<210> 248
<211> 1484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1478)
<223> n equals a,t,g, or c

<400> 248
ccacgcgtcc gcggacgctg gacggacgcg tgggtcnggt taggaggagc taggctgcca 60
tcgggccggt gcagatacgg ggttgctctt ttgctcataa gaggggcttc gctggcagtc 120
tgaacggcaa gcttgagcaa cgcggtaaaa atattgcttc ggtgggtgac gcggtacagc 180
tgcccaaggg cgttcgtaac gggaatgccg aagcgtggga aaaagggagc ggtggcggaa 240
gacggggatg agctcaggac agagccagag gccaagaaga gtaagacggc cgcaaagaaa 300
aatgacaaag aggcagcagg agagggccca gccctgtatg aggacccccc agatcagaaa 360
acctcaccca gtggcaaacc tgccacactc aagatctgct cttggaatgt ggatgggctt 420
cgagcctgga ttaagaagaa aggattagat tgggtaaagg aagaagcccc agatatactg 480
tgccttcaag agaccaaatg ttcagagaac aaactaccag ctgaacttca ggagctgcct 540
ggactctctc atcaatactg gtcagctcct tcggacaagg aagggtacag tggcgtgggc 600
ctgctttccc gccagtgccc actcaaagtt tcttacggca taggcgakga ggagcatgat 660
caggaaggcc gggtgattgt ggctgaattt gactcgtttg tgctggtaac agcatatgta 720
cctaatgcag gccgaggtct ggtacgactg gagtaccggc agcgctggga tgaagccttt 780
cgcaagttcc tgaagggcct ggcttcccga aagccccttg tgctgtgtgg agacctcaat 840
gtggcacatg aagaaattga ccttcgcaac cccaagggga acaaaaagaa tgctggcttc 900
acgccacaag agcgccaagg cttcggggaa ttactgcagg ctgtgccact ggctgacagc 960
tttaggcacc tctaccccaa cacaccctat gcctacacct tttggactta tatgatgaat 1020
gctcgatcca agaatgttgg ttggcgcctt gattactttt tgttgtccca ctctctgtta 1080
cctgcattgt gtgacagcaa gatccgttcc aaggcccctg gcagtgatca ctgtcctatc 1140
accctatacc tagcactgtg acaccacccc taaatcactt tgagcctggg aaataagccc 1200
cctcaactac cattccttct ttaaacactc ttcagagaaa tctgcattct atttctcatg 1260
tataaaacta ggaatcctcc aaccaggctc ctgtgataga gttcttttaa gcccaagatt 1320
ttttatttga gggttttttg ttttttaaaa aaaaattgaa caaagactac taatgacttt 1380
gtttgaatta tccacatgaa aataaagagc catagtttca aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanngg gggg 1484

<210> 249
<211> 2422

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2408)
<223> n equals a,t,g, or c

<400> 249
ggtcttgaat aaactactat accaggaggc acattttctc gctcaagcat cttacattga 60
ccttctttaa aacaaaaata cgtacaaggc ccacgcgtcc gcggacgcgt ggggagtctt 120
tctaatcttc cttttctaca gacccatctg acctctccct tcctccccag gctgctcctt 180
gccaggccga gctaggtccc aattcttcct cagcctctgc tcctccaccc tataatcttt 240
ttatcacctc ccctcctcac acctgstccg gcttacagtt tcrttccgtg actagccctc 300
cccsacctgc ccagcaattt actcttaaaa aggtggctgg agctaaaggc atagtcaagg 360
ttaatgctcc tttttcttta tcccaaatca gatagcgttt aggctctttt tcatcaaata 420
taaaaaycca gcccagttca tgrctygttt ggcagcaacc ctgagacact ttacagccct 480
agaccctaaa aggtcaaaag gcrrtcttat tctcaawata cattttatta cccaatctgc 540
tcccgacatt aaataaaact ccaaaaatta rawtcyggcc ctcaaacccc acaacaggay 600
ttaattaacc tcrccttcaa ggtgtacaat aatagaaaaa agttgcaatt ccttgcctcc 660
actgtgagac aaaccccagc cacatctcca gcacacaaga acttccaaac gcctgaacyg 720
cagcrgccag gcgttcctcc agaacctcct cccacaggag cttgctacac gtgccggaaa 780
tctggccact gggccaagga atgcccgcag ccyggggattc ctcctaagcc rcgtcccatc 840
tgtgtgggac cccactgaaa atckgactgt tcaactcacc tggcagccac tcccagagcc 900
cctggaacwc tggccmaagg ctctctgact gactccttcc cagatcttct tggcttagca 960
gctgaagact gacactgccc gatcrcctcr gaagcmccct tgaccatcac ggatgccgag 1020
ctatgggtaa ctctcacagt ggaaggtaag cccgtcccct tcttaatcaa tacggaggct 1080
acccackcca cattaccttc ttttcaaggg cctgtttccc ttgcctccat aactgttgtg 1140
ggtattgacg gccaggcttc taaacctctt aaaactcccc aactctggtg ccaacttaga 1200
caatactctt ttaagcactc ctttttagtt atccccatct gcccagttcc cttattaggc 1260
tgagacactt taactaaatt atctgcttcc ctgactattc ctggactaca gctgtatctc 1320
attgccaccc ttcttcccaa tccaaagcct cctttgygtc ctcctcttgt atacccccac 1380
cttaacccac aagtataaga tatctctact ccctccttga cgaccgatca tgcacccctt 1440
accatctcat taaaacctaa tcacccttac cgcactcaat gccagtatcc cattccgcag 1500
cacgctttaa aaagattaaa gcctgttatc attcgcctgt tacagcatgg ccttttaaac 1560
cctataaact ctccttacaa ttcccccatt tttcctgtcc taaaacgaga caagccttac 1620
aagttagttc aggatctgcg ccttatcaac caaattgttt tgcctatcca ccccgtggtg 1680
ccaaacccat atactctcct atcctcaata cctccctcta ctacccatta ttctgttctg 1740
gatctcagac atgctttctt tactattgct ttgcaccctt catcccagcc tctctttgcc 1800
ttcacttaga ctgaccctga cacccattag gctcaacaaa ttacctggagc tgcactgcca 1860
caaggcttca cagacagccc ccattacttc agtgaagccc aaatttcatc ctcatctgtt 1920
agtcatactc ccgttcaccg ttctcaacta ctcatacatg ccctgctctt ctttacactg 1980
ccggtttaca ctgtttctcc aagacatcac agctgatatc tcctggtgct atccccaaac 2040
tgccactcta aactctttgaa gtaaataaat aatctttgct ggcaggactc tgctgaatct 2100
ccttaggcac tctctaatca gatrtcctag gtcctcccaa ttcttagacc ttttatacct 2160
gtttttctcc ttctgttatt ccatttagtt tctcaattca tccaaaaccg tatccaggcc 2220

atcaccaatc attctatayg acaaatgttt cttctwacat ccccacaata tcacccctta 2280
ccacaagacc tcccttcagc ttaatctctc ccactctagg ttcccasgct gcccctaatc 2340
ccgcttgaag cagncctgag aaacatcggc cattctctct ccataccaac ccccaaaatt 2400
ttggcggncc aaaacttaaa ac 2422

<210> 250
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<400> 250
ttttatgnca aaaaacgcaa cccacgcatg aaaaatgngc caantctttc cttggaatgg 60
tctgtatttg ggtgaantcc atccagacgt caattaacac ttcctttatt ttgggggttgc 120
ccaactcgtt tccccaggat ttaaagacta taacgatgat aaaagtcagt ttcgcaccct 180
gtcaaaggct tggcccgttg ccttttcctt cccggcaata ctcggttcaa ttaggtcttg 240
tccctcatt atctgtgagg actgaattcc acccccgctt ttcaacgcag gctctttgct 300
cgggaaaagt caaaccatct ctcaaaggat caaagagctc agccatagac agagccgccg 360
gaggaaagcg gagtcgctgc atcagatgaa aggggcccct cagcctcact cctcaccgca 420
gctcctggga tcttaaagac agggtcagga ggatcaggag ggacaagagg gatggaggcg 480
aaaggctgga tccttaatcc aggccggaga caaagccgcg ccagggagct cgcggcgcgc 540
ggcccctgtc ctccggcncg agatgaatcc tgcg 574

<210> 251
<211> 1044
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1010)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1011)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1012)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1013)
<223> n equals a,t,g, or c

<400> 251
ggcgggctgg ctcagtaaag cggaggcagc ggggaagat ggcggcggcc gttccacagc 60
gggcgtggac cgtggagcag ctgcgcagtg agcagctgcc caagaaggac attatcaagt 120
ttctgcagga acacggttca gattcgtttc ttgcagaaca taaattatta ggaaacatta 180
aaaatgtggc caagacagct aacaaggacc acttggttac agcctataac catctttttg 240
aaactaagcg ttttaagggt actgaaagta taagtaaagt gtctgagcaa gtaaaaaatg 300
tgaagcttaa tgaagataaa cccaaagaaa ccaagtctga agagaccctg gatgaggggtc 360
caccaaaata tactaaatct gttctgaaaa agggagataa aaccaacttt cccaaaaagg 420
gagatgttgt tcactgctgg tatacaggaa cactacaaga tgggactgtt tttgatacta 480
atattcaaac aagtgcaaag aagaagaaaa atgccaagcc tttaagtttt aaggtcggag 540
tagggcaaagt tatcagagga tgggatgaag ctctcttgac tatgagtaaa ggagaaaagg 600
ctcgactgga gattgaacca gaatgggctt acggaaagaa aggacagcct gatgccaaaa 660
ttccaccaaa tgcaaaactc acttttgaag tggaattagt ggatattgat tgaaatagca 720
gtgcttcagc tctaaggata ttagcaacaa tgataaaact tggccttgaa gaaatttaca 780
caactagtta gaacttgtta ctattgtaaa ggaagagtca actggaaaat tcaaggagtt 840
aataaaattt gtttacttgg tcccagcttt tgagagataa atcccttatg aatccctggt 900
ctaaaatact ttcctacagc tgtgtaaaat actggtcaag gagaactttt tccttttacc 960
tcatgttgta aacttaagtg gctcaataaa aattgatcca ctgtcttgan nnnaaaaaaa 1020
aaaaaaaaaa aaaaaaaaa aaaa 1044

<210> 252
<211> 1029
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (835)
<223> n equals a,t,g, or c

<400> 252
ggcacgagcg gccactgcct gccgcgwgcg gagccggagc ccgagcctga gtggcgccgg 60
gcccgacgtg gggctcctgg gccgcggcgg cgggcgggcg atgctccaga ggcctgacca 120
gccatggagg ccgaggcagg cggcctggag gagctgacgg acgaggagat ggcggcgcta 180
ggcaaggaag agctagtgcg gcgcctgcgg cgggaggagg cggcgcgcct ggcggcactg 240
gtgcagcgcg gccgcctcat gcaggaggtg aatccgcagc tgcagggcca cctgggcgag 300
atccgcgagc tcaagcagct caaccggcgt ctgcaggcag agaaccgtga gctgcgcgac 360
ctctgctgct tcctggactc ggagcgccag cgcgggcggc gcgccgcacg ccagtggcag 420
ctcttcggga cccaagcatc ccgggccgtg cgcgaggacc tgggcggctg ttggcagaag 480
ctggccgagc tggagggccg ccaggaggag ctgctgcggg agaacctagc gcttaaggag 540
ctctgcctgg cgctgggcga agaatggggc ccccgcggcg gccccagcgg cgccgcggga 600
tcaggagccg ggccagcacc cgagcttgcc ttgcccccgt gcgggccccg cgacctaggc 660
gatggaagct ccagcactgg cagcgtgggc agtccggatc agttgccccc ggcctgttcc 720
cccgatgatt gaaggcactg cttcctccac gccgacgccc gcccggattg ctccccgagc 780
cccgggaccg ctgtggacct cgggacctgg acgccgtcct gstgcgcagg agggnccgct 840
ggcatggact aagaaatcct gacaccaaga agggcccctc gctcttgctg gcagggcagc 900
agggggactg aaggctggag cggagggact tgctgggggt tggattgggg gtaataaacc 960
cggacggaag cggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggrcg gccgctcgcg 1020
atctagaac 1029

<210> 253
<211> 475
<212> DNA
<213> Homo sapiens

<400> 253
ggcacagcca ggtgctcctg acggacttaa gtgccaaaaa ctgactccat gctaggaacc 60
actgagttct caaccagtga gtttatgatt cctattttaa aaataacctt taaagtctga 120
ttataaaagt agtacatagt ctttgtggaa aatttattaa gtacagtaag tgcagaagaa 180
gaaataaatc actcataatc ccagcagaca gaattaatca ctgtcatttt aggtgtattt 240
ttttgcagag taaaacatgt aaacatttta catagacata aatacaaaca tgataagcat 300
tggacatgga aaatgggcag taaattctgt acatgtgcct tcttgtattt ttgttgtatt 360
tttawatcat gcyttttttgc aaaatacatt ataaattaaa catggaattt cactagtttt 420
ctgtggtatt cattttccat gggctggaat aatggtccgg tccactatat ggggt 475

<210> 254
<211> 1724
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 254
ggcacagtac agcaagaggg caaggacaat tgcttaagtt gacctctggg tccggaatcg 60
cgggcaaaga tggcggcggc caggtgttgg aggcctttgc tacgcggtcc gaggctttca 120
ttgcacaccg cggctaatgc cgccgccacg gctacagaaa cgacctgcca agacgtcgcg 180
gcgacccccg tcgcgcggta cccgccgatt gtggcctcca tgacagccga cagcaaagct 240
gcacggctgc ggcggatcga gcgctggcag gcgacggtgc acgctgcgga gtcggtagac 300

gagaagctgc gaatcctcac caagatgcag tttatgaagt acatggttta cccgcagacc 360
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tcttatgtca acctgttatt agatctctta ctctgctcaa attcatcact gaaagattta 1560
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acaaattgag ttattgagct attaaatgca cattttaata taaatgcaga aatcccaaat 1680
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<210> 255
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<400> 255
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cagcagcagg aaagcgtctc camtctccct gccagcgtgc atccccagct gtsccacggm 120
agagcctgga gacccagtac ctgcagcaca gactccagra gcccagcctt ctgtcaaagg 180
cccagaacac ctgtnagcat ctgctgcaga atcaagcgac tctttcttca gaagcagtct 240
caactgcagg cctattttaa tcagatgcag atagcagaga gctcctaccc acagccaagt 300
cagcag 306

<210> 256
<211> 890
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (862)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (881)
<223> n equals a,t,g, or c

<400> 256
ggcacgaggc ccggccgccg cctgccctct ccgctggcca cctgctgccg cccgcgccat 60
ggctggcaaa gcacacaggc tgagcgctga ggagagggac cagctgctgc caaacctgag 120
ggctgtgggg tggaatgagc tggaaggccg tgatgccatc ttcaagcagt ttcatttcaa 180
agacttcaac agggcctttg ggttcatgac aagagtggcc ctgcaggctg agaaactgga 240
ccaccatcct gaatggttta acgtgtacaa caaggtccac atcacgctga gcacccatga 300
gtgtgccggc ctttcagaac gggacataaa cctggccagc ttcatcgaac aagtagcagt 360
gtccatgaca tagaccctgc ccttcctctt tgaattcttc cggggaaag ggtgactgaa 420
ctgggagtcc agggagggag ctgaggagcc cttaccctcc caccactccc ctcccaagac 480
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accaggaatt tagacctttt ccctgcacca ctctcttcat cctgggggct ctgttacact 600
aatttgaata aactctcccc tttctttgca acttcccagc aacaataatg attttcttgc 660
caggccgtct cttgctccct aattcatttc ccaggaagct gtgatacagg gtgaaataaa 720
gtcttgtctt agaaaccagg accctaaacc ccacactatg taatagaaac acatgtgttt 780
ttatgtctca aataaaacta ttatatcact tggaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa anaaaaaaaa aaaaagaaat naaaaaaaaa 890

<210> 257
<211> 1159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 257
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ggagctacga gtagccgccg agangccgcg garccagcga cgaccgaccc agccgagccg 120
ccgccgccgc cgcgccccca tggcggccgc caaggacact catgaggacc atgatacttc 180
cactgagaat acagacgagt ccaaccatga ccctcagttt gagccaatag tttctcttcc 240
tgagcaagaa attaaaacac tggaagaaga tgaagaggaa ctttttaaaa tgcgggcaaa 300
actgttccga tttgcctctg agaacgatct cccagaatgg aaggagcgag gcactggtga 360
cgtcaagctc ctgaagcaca aggagaaagg ggccatcgcc ctcctcatgc ggagggacaa 420
gaccctgaag atctgtgcca accactacat cacgccgatg atggagctga agcccaacgc 480
aggtagcgac cgtgcctggg tctggaacac ccacgctgac ttcgccgacg agtgccccaa 540
gccagagctg ctggccatcc gcttcctgaa tgctgagaat gcacagaaat tcaaaacaaa 600
gtttgaagaa tgcaggaaag agatcgaaga gagagaaaag aaagcaggat caggcaaaaa 660
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ggaggatgct gaggagaagc aataaatcgt cttattttat tttcttttcc tctctttcct 780
ttcctttttt taaaaaattt taccctgccc ctcttttccg gtttgttttt attctttcat 840
ttttacaagg gacgttatat aaagaactga actcaacatt caggttgttt ttttttttgt 900
ttctaagttt ttgccctatt gaagatgact tcagaaaatc cattccccag tcatgaaaat 960

gtactgtgct aactttcttt tccatagtgg aaacacttat ttatagtcat caaaaatagt 1020
gaataaaaaa cacatttgga acctggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggggggggac ggacgcgtgg gcggacgcgt 1140
ggcggacgc gtgggtcga 1159

<210> 258
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (755)
<223> n equals a,t,g, or c

<400> 258
acccacgcgt ccggttctag atcgcgagsg ccgccttttt ttttttwtta gaagggccag 60
cttactgttg gtggcaaaat tgccaacata agttaataga aagttggcca atttcacccc 120
attttctgtg gtttgggctc cacattgcaa tgttcaatgc cacgtgctgc tgacaccgac 180
cggagtacta gccagcacaa aaggcagggt agcctgaatt gctttctgct ctttacattt 240
cttttaaaat aagcatttag tgctcagtcc ctactgagta ctctttctct cccctcctct 300
gaatttaatt ctttcaactt gcaatttgca aggattacac atttcactgt gatgtatatt 360
gtgttgcaaa aaaaaaaaaa gtgtctttgt ttaaaattac ttggtttgtg aatccatctt 420
gctttttccc cattggaact agtcattaac ccatctctga actggtagaa aaacatctga 480
agagctagtc tatcagcatc tgacaggtga attggatggt tctcagaacc atttcaccca 540
gacagcctgt ttctatcctg tttaataaat tagtttgggt tctctacatg cataacaaac 600
cctgctccaa tctgtcacat aaaagtctgt gacttgaagt ttagtcagca cccccaccaa 660
actttatttt tctatgtgtt ttttgcaaca tatgagtgtt ttgaaaataa agtacccatg 720
tctttattag aaaaaaaaaa aaaaaaaaaa aaaan 755

<210> 259
<211> 714
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (704)
<223> n equals a,t,g, or c

<400> 259
gtctattagc ttttacctca aaattttaag ccagaactat catctttgtt tttttatttt 60
ctatctttaa acatttatct gtgaagtgac aaatggccta cagctgtgag agcaaatgga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgtttgg ctctggctga tgctggtgac 240
actgtagaag atgccaactt tgtggaagcc atggcagatg caggtattct ccgtctgtac 300

acctgggtag agtgggtgaa agaaatggtt gccaactggg acagcctaag aagtggtcct 360
gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaca 420
gatcaaaact atgaaaagat gatgtttaaa gaagctttga aaacagggtt ttttgagttt 480
caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttgtg 540
ttccggttta ttgaagttca gacacttctc ctcgctccat tctgtccaca tttgtgtgag 600
gcacatctgg gacactcctg gggaaagcct gacttcaatt atggaatgst ttcatgggcc 660
tgtgngmagg gtcctgttta atggaagttt ttaattacac tccntcacag tatc 714

<210> 260
<211> 525
<212> DNA
<213> Homo sapiens

<400> 260
ggctttacgg ctgcgagaag acgacagaag ggggtggtgg tcgcgagrga gccggaaaga 60
tggtggttac cagatctgca cgggctaagg ccagcatcca agccgcgtcg gctgaaagtt 120
ccgggcaaaa gagtttgct gctaatggga ttcaagcgca tccagaaagt agtactggat 180
ctgatgcccg aactactgct gaatcacaga ccactgggaa gcaaagttta atcctagaa 240
ctcctaaagc tagaaagagg aagagcagaa ctacaggctc actaccaaag gggactgaac 300
catctacgga tggagagacc tctgaggcag agtcaaatta ttctgtgtct gagcaccatg 360
ataccatttt aagggtaact aggagaaggc agatcttaat tgcatgctcc ccagtgtcca 420
gtgttaggaa aaagccgaaa gtaactccaa caaaggagtc ttacactgaa gaaatagtgt 480
ctgaagcaga atctcatgtt tcaggtattt ctaggaattg tgctt 525

<210> 261
<211> 3000
<212> DNA
<213> Homo sapiens

<400> 261
gaattctcgg gtcgacccac gcgtccgacc cacgtgtccg gcttccccgg tgtcccccca 60
tcccctccc cgcgcccccc ccgcgtcccc ccagcgcgcc cacctctcgc gccggggccc 120
tcgcgaggcc gcagcctgag gagattccca acctgctgag catccgcaca cccactcagg 180
agttggggcc cagctcccag tttacttggt ttccctttgtg cagcctgggg ctctgcccag 240
gccaccacag gcaggggtcg acatggcaga gacactggag ttcaacgacg tctatcagga 300
ggtgaaaggt tccatgaatg atggtcgact gaggttgagc cgtcaggcat catcttcaag 360
aatagcaaga caggcaaagt ggacacatc caggctgggg agttaacaga aggtatctgg 420
cgccgtgttg ctctgggcca tggacttaaa ctgcttacaa agaatggcca tgtctacaag 480
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<210> 262
<211> 966
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (935)
<223> n equals a,t,g, or c

<400> 262
caaagcagtg cactgaaaat caatttaagt atttactgga gttgtcttga aggcccaatg 60
ggaaatgtca gtaagggcac atgagaaaac actttaagaa cctattcttc caaagatctt 120
tccagtatct tatgacaaca cagtaaatta tacccactcc aaatgcaaaa gctgaaacta 180
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caagaaaaat cctaattgtt ttatctaagg agacggaatt ttccaatact gtagaggcat 360
gtgtgtgtgt ttgctttaag gaagctgttt tggtaataaa aagtcactgт aggtcataaa 420
ttcatgttaa cacatccagt gtacatgaag taggcaccga gttaaactat ttgtctacta 480
tatagcatgt catcttaaaa gccttatttt ttcctcaaaa tattaacttt atttttctcc 540
ctgtaaaatc aagacacagt taaaatgtag ccttcctcat tttctgggaa tactttctaa 600

caagatatgc ttcttttccaa ttggacttct aaatttctag caattctaac agtgcataaa 660
agaggcaacc ccaaaagtgt agcaggtact gaataacaga tttgcagcct tgggtatcca 720
cattaaaatt tgaaatctaa gtgaattact tcaagctgat ttcttaggtc aaggagagat 780
tatggtcctt aaatgcctga taaggtcaca tacacaattt caagtgcatt atagtaaatc 840
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cttcatcgca tgtcctgggt gggtggggta gggacccagt taaaaaaccc ccctggggtc 960
atgttc 966

<210> 263
<211> 2738
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

<400> 263
ggccggctga gggcacttgc tcttgctgtt tctgcccctg ggttaacatt caagatggta 60
catgctgaag ccttttctcg tcctttgagt cggaatgaag ttgttggttt aattttccgt 120
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ccaaccagaa agcaaaaagt agaagctcag aaacaggcag aaaaactaat gaagcaaatt 240
ggagtgaaaa atgtgaagct ctcagaatat gaaatgagta ttgctgctca tcttgtagac 300
cctcttaata tgcatgttac ttggagtgat atagcaggtt tagatgatgt cattacggat 360
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accgataagt ggtatggaga atctcagaaa ttggctgctg ctgtctttctc ccttgccata 600
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agttctgacc atgaagctac agccatgatg aaagctcagt ttatgagtct ctgggatgga 720
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gcaagttatg gaagattgtg aagaggatgg aaaaactgaa tacaagatac caaaaatgaa 2640
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tccctcttta aaaaaaaaaa aaaaaaaaaa aaaaaaaa 2738

<210> 264
<211> 1520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<400> 264
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agsgggcggt cgtgtagctg agcagsectg gggcttggtt ctatgtccct gtggctatgt 120
ttccagtgtc ctctgggtgt ttccaagagc aacaagaaac gaataaatct ctgacccttc 180
tcaggtgcag ccagagagac actagcccac tgatggaygg acagacgtgg gcagggtccg 240
tgtcactaaa ccacccacca ctgccacagc tgcctacaac agacacatca gatgacactc 300
cgggcaaata aatgattttc actgaggact tactggtttt aataataggt cctggtgtag 360
agaagtccct caacctattg tgcaatgagt tttgagaagc gggtaagctg tatgttttgt 420
ggttytgttt catgaatkca tctacaggaa gaccaatatt gactgaatga agctttcatt 480
taaagagcta aaatatgctt tgtgtttta tatgtggata ctactttaaa cctaacgact 540
attcattgta tcatagcttg tgatgtattc tgctcayggc ttttaaggta aattgtgcca 600
tgatccactg ccattctaat tgctttaaca agtcattacc acactactgt tacatcttaa 660
ttatgcatac agacaggtag acttrtttta catatgtgaa ctaactagtt gtcaaagcaa 720
atgcagattg tattctgcaa gtaaagtctt tttctctctg aaatttctag ggatgttctt 780
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caaggataat atcaaagcaa acaccagaaa gttatatctt tgatgcattt tttcaaaatc 1260
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aactttattt aagctggaag ttaatgtctc attgttttca ttgttctaaa taaacacctt 1440
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aaaaaaaaaa aaaaaaaagg 1520

<210> 265
<211> 1568
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1502)
<223> n equals a,t,g, or c

<400> 265
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ctgctggact agctactgcc agttgtccta tcactgtctc ttctgtagtt gctgccagtc 120
agcaactgtg tgtcactaat acccggactc cttcatcagt cagaaagcag ttgtttgcct 180
gtgtgcctaa gacaagtcct ccagcaacag tgatttcttc tgtgacaagc acttgtagtt 240
ccctgccttc tgtctcctct gcacctatca ctagcgggca agctcccacc acattttctac 300
ctgcaagtac ttctcaagca cagctttctt cacaaaagat ggagtctttc tctgctgtgc 360
cacccaccaa agagaaagtg tccacacagg accagcccat ggcaaaccta tgtaccccat 420
cttcaactgc aaacagttgc agtagctctg ccagcaacac cccgggagct ccagaaactc 480

acccatccag tagtcccact cctacttcca gtaacacaca agaggaggca cagccatcca 540
gtgtgtctga tttaagtcct atgtcaatgc cttttgcatc taactcagaa cctgctccat 600
tgactttgac atcacccaga atggttgctg ctgataatca ggacaccagt aatttacctc 660
agttagctgt accagcacct cgagtttctc atcgaatgca gcccagaggt tctttttact 720
ccatggtacc aaatgcaact attcaccagg atccccagtc tatttttgtt acgaatccag 780
ttactttaac accacctcaa ggcccaccag ctgcagtgca gtttcttcag ctgtgaacat 840
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cccagccaca cttttcaatc acttcagcag tctttttgat agtagtcagg tgccagctaa 960
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ctcaaaggca cctggcttca gaccaccttc ccagcgagtt tctactagtc cagttgggtt 1140
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ttccggcata ccaggaacaa gggttttcct gcaagggcca gctcctgttg ggactcctag 1260
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caacgttggg gccaaccaaa agggagtcag tgccagtcaa ggattcggaa aggttacctt 1440
cccccaattg gggaacagga ggaggactng ggcccgaatt tngggcaagg gaggggttt 1500
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agtgggga 1568

<210> 266
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<400> 266
agtaagtcgc tgattttgtt tctttttttc aaacagtttt gatttgaagt tcctttaaag 60
gctgttggag cttttgcaaa tacccagcta atgaaaggca cttaagattg ggcccatctg 120
catcatcaca ttgaagtttt ctgtctaaag gaaggttcca gctacctgtt acccttttgc 180
taaacacagt tgcagtgttg cagtgtattt catgacaaaa gtgcactcta gttttctgtg 240
aaatgattat tttctctgaa atgattcttg gtcatgttga gcttctaaat gttaaagaga 300

acatagtgct tttgacctgt gggaaatctc atcttggnta ccatggtgct gcacagacca 360
tcaggaagaa ctgaaaagtt caggcaactt gagnaaaata aagtcaccac cmgcaaggar 420
gctgtctaaa ataaccggra gattattamc ccagcacgtg gragartgtg ctagtgggta 480
gatgttwtgg aargctacta ggggtccncc cttaggtgcc tgtgctagtc ctaagggggn 540
ggtgg 545

<210> 267
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (712)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (740)
<223> n equals a,t,g, or c

<400> 267
aattcggcac agggaatggc ggggtctcct gagttggtgg tccttgaccc tccatgggac 60
aaggagctcg cggctggcac agagagccag gccttggtct ccgccactcc ccgagaagac 120
tttcgggtgc gctgcactgc gaagcgggct gtgaccgaaa tgctacaact gtgcggccgc 180
ttcgtgcaaa agctcgggga cgctctgccg gaggagattc gggagcccgc tctgcgagat 240
gcgcagtgga cttttgaatc agctgtgcaa gagaatatca gcattaatgg gcaagcatgg 300
caggaagctt cagataattg ttttatggat tctgacatca aagtacttga agatcagttt 360
gatgaaatca tagtagatat agccacaaaa cgtaagcagt atcccagaaa gatcctggaa 420
tgtgtcatca aaaccataaa agcaaaacaa gaaattctga agcagtacca ccctgttgta 480
catccactgg acctaaaata tgaccctgat ccagtccttg cctgcattaa ttgaacaagg 540
agagggattt tcccaagttc tcaggatgca acctggtatc caccttcaga ggattcacca 600
agaagtcttt ttcagttgtc ataaggaaac cagatgctwa acctgagact ttatwacaca 660
gattgaaacc acaccaacag aaactggttt caggaaaaac cttttacgtg gnacttgaaa 720
aagaaagcaa acttaaagan ttggccccca aaagaaaaat gg 762

<210> 268
<211> 1433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (893)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (947)
<223> n equals a,t,g, or c

<400> 268
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tgacctcaca gggtggacac ccggaggcga gatcccgttc cgcggagcag agccctttct 120
catggaacag gacgtgtcgg ggccgctgct ggggaaagca gccgggcccc cagatgctgg 180
agcgggagca ggccccgggc ccccgcagac cctccgcggc accgcccgct cttgtgcctt 240
tcccggcgtg gctcaccgcc tcaccatctc gggtgtcttt taggagaatc cttcatgcag 300
ctgcagcagc gtctcctgag agagaaggag gccaagatca ggaaggcctt ggacaggctt 360
cgcaagaaga ggcacctgct ccgccggcag cggacgaggc gggagttccc cgtgatctcc 420
gtggtggggt acaccaactg cggaaagacc acgctgatca aggcactgac gggcgatgcc 480
gccatccagc cacgggacca gctgtttgcc acgctggacg tcacggccca cgcgggcacg 540
ctgccctcac gcatgaccgt cctgtacgtg gacaccatcg gcttcctctc ccagctgccg 600
cacggcctca tcgagtcctt ctccgccacc ctggaagacg tggcccactc ggatctcatc 660
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acgctgcgtg gcctgcagct gcccgccccg ctcctggact ccatggtgga ggttcacaac 780
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cctcggtgcc tgctgtgaac tgctttccct cggaatgttt ccgtaacagg acattaaacc 1380
tttgwtttta cttccgtgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggg 1433

<210> 269
<211> 2278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2277)
<223> n equals a,t,g, or c

<400> 269
cacagtatgg aaatacgggg aagcaggaga tagatccgga aaaataaagt tgagaccaga 60
ctgtagactg tcttgaatgc caagctaaag tgtttatact ttattcagta aataaacaaa 120
actggtagcg caagaaaagg agtgagcaag tggtaacaac ttaaagacaa ttcatttttgc 180
tcccacgtgt tatatcatga atttnttggg cccaaagtca tatatagaat ttttaaata 240

attgatactt gattaaagaa agcacaaaga cataaaaata aaacattctt ggtgggggga 300
aatggttttt aagaggcatt ttattaattt taccncaggt atatttgccc tgtgttttac 360
aaacaaaaar gaggtatgtg ggttacatgt atgaaacact ggatcagaag gacccagtat 420
ttgatgcaaa aggaatagaa acagtcagaa gagattcctg ccctgctgtt tctaagatac 480
ttgagcgttc tctaaagctg ctatttgaaa cgagagatat aagtctaatt aaacagtatg 540
ttcagcgaca atgtatgaag cttctggaag gaaaggccag catacaagac tttatctttg 600
ccaaggaata cagaggaagt ttttcttata aaccaggagc ttgtgtgcca gccctgaac 660
ttacaaggaa aatgctgact tatgaccggc gctctgagcc tcaggttggg gagcgagtgc 720
catacgtcat catttatggg acccccggag taccacttat ccagcttgta aggcgcccag 780
tggaagtcct gcaggaccca actctgagac tgaatgctac ttactatatt accaagcaaa 840
tccttccacc cttggcaaga atcttctcac ttattggtat tgatgtcttc agctggtatc 900
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tctcccgagt aaatagagaa ttgtccaagg caccatatct ccggcagtta ttagaccagt 1260
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gaaacattat tttttaaaaa atgctgtctt gctttagcta ttaatggggc attgtgagga 1920
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<210> 270
<211> 2533
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2514)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (2531)
<223> n equals a,t,g, or c

<400> 270
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ggtctgtcct cgggaactgc aaggccctgt gagcgggagg actgggatcc cggccgcggc 120
tgctggaagc gtcgaagctc agcgggggcg cggacactga cctgtgctta gaactcatcc 180
tggcccgcag agcctgccgc gagtccctgg cgtcccctgt ggcgggctct tggagccact 240
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gccgccgggt tcaagcactg tcttcctgtt ggccctgaca atcatagcca gcacctgggc 360
tctgacgccc actcactacc tcaccaagca tgacgtggag agactaaaag cctcgctgga 420
tcgccctttc acaaatttgg aatctgcctt ctactccatc gtgggactca gcagccttgg 480
tgctcaggtg ccagatgcaa agaaagcatg tacctacatc agatctaacc ttgatcccag 540
caatgtggat tccctcttct acgctgccca ggccagccag gccctctcag gatgtgagat 600
ctctatttca aatgagacca aagatctgct tctggcagct gtcagtgagg actcatctgt 660
tacccagatc taccatgcag ttgcagctct aagtggcttt ggccttccct tggcatccca 720
agaagcactc agtgccctta ctgctcgtct cagcaaggag gagactgtgc tggcaacagt 780
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gtaagaagct gtgaatattc ctaacttacc cagatgttgc ttttgaaaag ttgaaatgtg 2460
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ggggcccggt ncc 2533

<210> 271
<211> 1618

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1612)
<223> n equals a,t,g, or c

<400> 271
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tctttatagc cagaaacaac ttagtcatca aatagcaagt gaaaccaaaa cgtcagaggg 120
attactgtac ttggaagtat gttgtgtgtc ccaaatgtga acgaagtatt gttagaattt 180
attagatcag cttctttgga gatcaaagat tggaaatcct agtcatagat attcactgga 240
ctggctttgg actgaaatgc tcctttgtaa ttctttttcct attgtctttt ccttctagtg 300
tcccaaaata ttttctttaa rgtcagcaca gtactgtata tgaatctttа atgtggtatc 360
atatatgtct actttgtct gattcatcga tgtattatat ctttataatt gaatatttta 420
gctccgggtc ctgttgcccc ttcaagcagt acatgccaaa ttataaatag gtgctactgg 480
ccttgagcat atcactgtgg gacagttccc caattgtcaa gtgtttagat atgtagacta 540
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ttttgaatgt gaaagttgaa tttcaaacgt agtcatttct tacagatggc caagacagaa 660
aattgtggct aggttgactg agaactgttg tcttccatgt attaacacaa ttaagctttt 720
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cttctgcttc cattaaagaa gaactgtgat attcaacatt ggatttctga gaataaagat 840
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aatgttcatt cctgttttct cttaagagaa tgtgctgtgt actaaataca ggccacatag 1020
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acattggcct gaaagagagt gttctttaaa agcctttctc ggctgttagt ataaaaacat 1320
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ttccttccca gagaactggg aaattgtcct agaaataaac cttgtacagt tgagtggaca 1440
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atcctgtaaa tattcatgat agtctgttta tatcctttтg tatatcgttg atactggatt 1560
gggtagaaaa ataaattggc aatttaaaaa aaaaaaaaaa aaaaaaaaaa tntctcgg 1618

<210> 272
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<400> 272
aaacagcaag tgggaactca gcattcaagt taacttgtag agctacccag ctgctaagag 60
cagtgtgatc tttggtgctc ttaggatcac tttggtatct gctcattttc ctttttgtct 120
accctataaa gcacaaaatc gagtgggtaa aaagtatgaa accagcactg tttctacttt 180
cttagaggtc tggtatctag tgagcaggct gaggcctcag gactagttca gtgttaagga 240
tttcatgttg aaactcattt gtcctctgtg ggtttttga cagtagagag tgacctaact 300
catttgattt tgtttttccc tcagttgact ttccatcttc agttcgaata catttaattg 360
accaaaatgg cagacattga gtgagtactt cttgncccag tttnaattct ttccttcctt 420
ttttncccng gttgtgagtt aattggttca acttctgggt tcagggtttt 470

<210> 273
<211> 983
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (879)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (915)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (930)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (967)
<223> n equals a,t,g, or c

<400> 273
ccaagcggaa gtgacgttag tgtccgccgg agtgtcgttg gtgtgttgcg cgactggcct 60
tgagggagag ctggggcctg ctcccggaga gatacggcta tgtcgatcga aatcgaatct 120
tcggatgtga tccgccttat tatgcagtac ttgaaggaga acagtttaca tcgggcgtta 180
gcaccttgca ggaggagact actgtgtctc tgaatactgt ggacagcatt gagagttttg 240

tggctgacat taacagtggc cattgggata ctgtgttgca ggctatacag tctctgaaat 300
tgccagacaa aaccctcatt gacctctatg aacaggttgt tctggaattg atagagctcc 360
gtgaattggg tgctgccagg tcacttttga gacagactga tcccatgatc atgttaaaac 420
aaacacagcc agagcgatat attcatctgg agaacctttt ggccaggtct tactttgatc 480
ctcgtgaggc atacccagat ggaagtagca aagaaaagag aagagcagca attgcccagg 540
ccttagctgg cgaagtcagt gtggtgcctc catcttcgtct catggcattg ctgggacagg 600
cactgaagtg gcagcagcat cagggattgc ttcytcctgg tatgaccata gatttgtttc 660
gaggcaaggc agctgtcaaa gatgtggaag aagaaaagtt tcctacacaa ctgagcaggc 720
atattaagtt tggtcagaaa tcacatgtgg agtgtgctcg attttctcca gatggtccag 780
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aatcagaaag gatcttaagt taccaggccc aagattaant ttatggatga tgggttgatg 900
ctgttcccct ggcangtgtt ttcagccagn ggttacagaa atgtttagcc aacttggggc 960
cccaggntgg gaaaattcaa ggt 983

<210> 274
<211> 2006
<212> DNA
<213> Homo sapiens

<400> 274
ctgaaaaccc ctctggtctc agagacagta ggggcagtgc cactttctac aacctgccaa 60
cccacacact ggagtaattc tgaaaaaaat tattcctaaa ctctctaagt gtggacggag 120
aatgagcaag ccccagaagt attttacaac cagagtgggt aatgaggagg gggcttactg 180
gaatcgtcat atctctgaat attgaaaaca acaactaaaa aagtggacct tctcagaaaa 240
aaagggcagc aaatgaccaa gggcgcccct tctggccgtg ctggcttga gtaactgtct 300
ctctttcccc acccccatca cagggctttc agtttggcaa aggaaaagca gataaaaaca 360
gaacattcca tatgtttctt tctccatcgg ccaaaaacat tttgacacaa tgtttgtgaa 420
acacctttgg agaggtgcac ttctgaatgc tgcctctgcc gtaaatcctg ggggcaaggg 480
atcagcctct tcccaggaac catcgccttc tataaaccgt gaactcaagc aggcattttt 540
tttttcttac cgaaaggctg ctattgtgca agggcacata atgggtctgt ttgctcttat 600
tggcttccaa atgtgcatgg caaagagaga gatgtgggcc tagagcagat atattcagca 660
aggtgacagy ttcccataac aattctaaca cttcttatct tatgtgagaa taaaatattt 720
aaggggtgaa ccttattttg ccaaatgtat cttttctgct tttgaattgg gcagaagatt 780
ttagcaacta tattctacaa atgttactta taacacacac acacacatct gaaatatatg 840
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gtcatttaaa gatggaaagg tgggaaaatt ctttgatatt tgatgtcatt gtatccacat 1920
ttgttgtaag acatattgca taccaattat aattatatca attaaagttg ataaaagctt 1980
caaaaaaaaa aaaaaaaaa aaaaat 2006

<210> 275
<211> 1376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1368)
<223> n equals a,t,g, or c

<400> 275
aaanaacaaa agatccagat gttcgattgg gcctcaatca gcattaccca agctttaaac 60
cacctccatt tcagtaccat caccgtaamc ccatgggatt ggtgtgacag ccacaaattt 120
cactacacac aatatttccac agactttcac taccgccatt cgctgcacaa agtgtggaaa 180
aggtgtcgac aatatgccgg agttgcacaa acatatcctg gcttgtgctt ctgcaagtga 240
caagaagagg tacacgccta agaaaaaccc agtaccatta aaacaaactg tgcaacccaa 300
aaatggcgtg gtggttttag ataactctgg gaaaaatgcc ttccgacgaa tgggacagcc 360
caaaaggctt aactttagtg ttgagctcag caaaatgtcg tcgaataagc tcaaattaaa 420
tgcattgaag aaaaaaaatc agctagtaca gaaagcaatt cttcagaaaa acaaatctgc 480
aaagcagaag gccgacttga aaaatgcttg tgagtcatcc tctcacatct gcccttactg 540
taatcgagag ttcacttaca ttggaagcct gaataaacac gccgccttca gctgtcccaa 600
aaaacccctt tctcctccca aaaaaaaagt ttctcattca tctaagaaag gtggacactc 660
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cactctgggc ttgcttccct tgacagcacc ttgaagttga cctgggantc agttga 1376

<210> 276
<211> 2594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (2198)
<223> n equals a,t,g, or c

<400> 276
gcccacgcgt ccgcccacgc ggccacgccg cgccggctct gggcactcag catcgtttcc 60
ttttcctccg ctggagcagc tatggcggcg gtgaagaccc tgaaccccaa ggccgaggtg 120
gcccgagcgc aggcggcgct ggcggtcaac atcagcgcag cgcggggtct gcaggacgtg 180
ctaaggacca acctggggcc caagggcacc atgaagatgc tcgtttctgg cgctggagac 240
atcaaactta ctaaagacgg caatgtgctg cttcacgaaa tgcaaattca acacccaaca 300
gcttccttaa tagcaaaggt agcaacagcc caggatgata taactggtga tggtacgact 360
tctaatgtcc taatcattgg agagctgctg aaacaggcgg atctctacat ttctgaaggc 420
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ttggaagaag tcaaagtaag cagagagatg gacagggaaa cacttatata tgtggccaga 540
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gactccattt tggccattaa aaagcaagat gaacctattg atctcttcat gattgagatc 660
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tatatatagt tggtctatct ctgcagtcct tgaaggtgaa gttgtgtgtt atcaggctgt 2520
gttttgggat gtcagcagtg gcctgaagtg agttgtgcaa taaatgttaa gttgaaacct 2580
caaaaaaaaa aaaa 2594

<210> 277
<211> 679

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<400> 277
gctcaaggtg ctgtggtgct tcctgatcca tgtgcagggc agtatccgcc agttcgccgc 60
ctgccttgtg ctcaccgact tcggcatcgc agtcttcgag atcccgcacc aggagtctcg 120
gggcagcagc cagcacatcc tctcctccct gcgcttttgtc ttttgcttcc cgcatggcga 180
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ggtgcagacg gccgccgggg actactcagg caacatcgag tggccagctg cacactctgt 540
tcagccgtgc ggcgytcctg ctgcgcgccc tctgargccg tcaagtccgc cgccawcccc 600
tactggctgt tgctcangcc ccagcactca aagtmatcaa agccgacttc aanccccatgc 660
ccaaaccgtg gaaccaaaa 679

<210> 278
<211> 1478
<212> DNA
<213> Homo sapiens

<400> 278
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gggtctccgg acagcatgag cgtgggcttc atcggcgctg gccagctggc ttttgccctg 120
gccaagggct tgcacagcag caggcgtctt ggctgcccac aagataatgg ctagctcccc 180
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caacaaggag acggtgcagc acagtgatgt gytcttcctg gctgtgaagc acacatcatc 300
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agggtcatcc gctgcatgac caacactcca gtcgtggtgc gggagggggc caccgtgtat 480
gccacaggca cgcacgccca ggtggaggac gggaggctca tggagcagct gctgagcagc 540
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ggacttccaa ggcgcctggc agtccgcctc ggggcccagg ccctcctggg ggctgccaag 720
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ggggccacca tccatgcctt gcatgtgctg gagagtgggg gcttccgctc cctgctcatc 840
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caggtgtcac cagccgccat caagaagacc atcctggaca aggtgaagct ggactcccct 960
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gattaaaatg tcaatgtaat ctaaaaaaaa aaacaaaa 1478

<210> 279
<211> 2321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 279
ggcacaggtc cgagcgccgc catggctctg ctgtccgagg gcctggacga gstgcccgcc 60
gcctgcctgt cgccgtgcgg gccgcccaac ccgaccgagc tgttcagcag tcacggcgcc 120
tggctctgga ggactggtgg cgggcggccc cgaagccttc gcggccttcc tgcgacgcga 180
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tcagtgcagt aacatgatgt acaggttttgt agcctgtttt gcatttttct taggttgtat 2220
gctctttctgt tttaaaggtt tgaatcacca gcatttttgt gatcaaaatc ctatttagaa 2280
aaaataaaac tactttctgt ttatctcttt agaaaaaaaa a 2321

<210> 280
<211> 1693
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<400> 280
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gtatttcccg ttccccatct agtaactccc atctcagccc acgtatctcc ctgagtggaa 120
atctcgggcc ccagaccagt cgattgggag gtccgccctc cccttcagcg acttggtctg 180
tgttttggca gttgccgcgn acaacagtca cttccgggaa ggggctctgc gaatctcctt 240
ccgtcggtcc gctcagaatc agctgtcctc tcagactgtg tgggtggttt ccccggccgc 300
agctccgtac gggcttggat tgctgggcct cggtgcaccc cagcctcccc cactcgggtt 360
ctgagcttga gctggcggct ctttaactct gcttcactgt tgctcttggc aacatccact 420
tccgggagcg agtgccgttt cccccgctca ccgcgggcta gggagcgtgg gattccggac 480
tgtgagcggc tgttagtgcg tcgcagctgc tggcgatccg gcgaccctcg gccggcagga 540
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<210> 281
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 281
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ggggttaggg cccaaagg 258

<210> 282
<211> 1764
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1764)
<223> n equals a,t,g, or c

<400> 282
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ggcgggatcg tgcrctcctc tgtctcccgg atgagaagcc ccgtttccat ggtcttgacc 420
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